403 332

Flight Data Report No. 7

Contract AF 33(616)-7633

BALLOON FLIGHT OF JULY 14, 1962

David G, Murcray James N. Brooks Jay O. Green Marie M. Working

Research Reported in This Document Has Been Supported by
Aeronautical Systems Division
Air Force Systems Command
United States Air Force

5 April 1963

- Submitted by Denver Research Institute
University of Denver
Denver 10, Colorado



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AS AD NO. 403 332

Best Available Copy

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ABSTRACT

This report presents the results obtained on a balloon flight made with an automatic programmed radiometer system. The equipment was launched from Ft. Wainwright, Alaska, July 14, 1962. The radiometer was equipped with a liquid oxygen cooled InSb cell as a detector and measurements were made of the infrared background radiation in various wavelength intervals between $1.8\,\mu$ to $5.0\,\mu$.

I. INTRODUCTION

This is one of a continuing series of flight data reports issued on Contract AF 33(616)-7633. These reports present infrared and ultraviolet background radiation data obtained by means of a balloon borne automatic programmed radiometer system. The results contained in this report were obtained during a balloon flight made from Ft. Wainwright, Alaska, July 14, 1962.

II. INSTRUMENTATION

The instrumentation has been described in detail in previous flight data reports and the description will not be repeated here. For this flight the plane mirror located at the front aperture of the radiometer was programmed so that the radiometer scanned through 180° in azimuth at a constant elevation angle. At the end of this scan the azimuth drive was reversed and at the same time the elevation mirror was rotated to a different position. Thus a series of scans were made in azimuth at different elevation angles. At the end of five azimuth scans the filter wheel was advanced and the sequence repeated. The filters used on this flight were the same as those used on previous flights. In order to keep this report self-contained the filter transmission curves are given in Figures 1 through 5.

The method of calibration of the radiometer system is described in detail in flight data report Number 4.

III. FLIGHT DETAILS

The balloon was launched from Ft. Wainwright, Alaska (at the edge of Fairbanks) at 2229 Alaska Standard Time. The balloon ascended at an average rate of 220 meters/min and reached a floating altitude of 31 kms. The winds were such that the balloon drifted north northeast during the early part of the ascent and then to the west during the latter part of the ascent. The winds at float were from the southeast and

, ,

when the flight was terminated at 0430 A.S.T. the equipment impacted about twenty-eight miles northeast of the town of Tanana, forty miles west of the town of Rampart, north of the Yukon River. The equipment was recovered by means of helicopter.

There was high thin cirrus present throughout the flight with some patches of stratus clouds at 10,000, 8,000 and 5,000 feet. There were also stratus clouds at 300 feet in the Yukon and Tanana River basins. No data are available on the height of the cirrus clouds.

IV. RESULTS

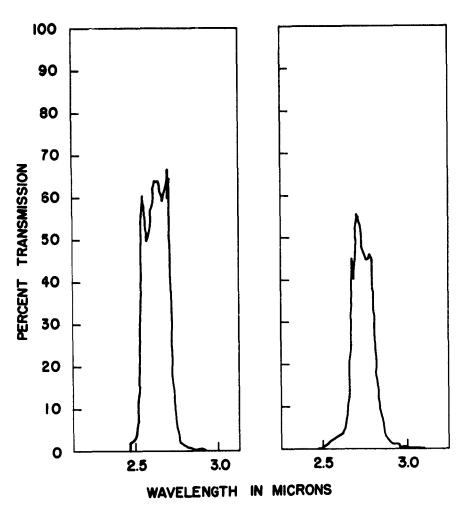
For this flight a method of data presentation, suggested by H. W. Wessely of the Aerospace Corporation, has been used. Rather than calculating the probability distribution functions for the radiance and the gradient of the radiance, the mean radiance and the r.m.s. radiance were calculated as a function of a number of parameters. The mean value of the radiance was calculated as a function of azimuth angle from the sun and viewing angle. The r.m.s, value of the radiance was also determined for the same parameters. The mean radiance and r.m.s. value of the radiance were also determined as a function of scattering angle and viewing angle. The number of observations on which these data are based are also given. In presenting the results as a function of sun azimuth the mean radiance and r.m.s. radiance were determined as a function of sun azimuth to the right of the sun and to the left of the sun separately and these results are presented along with a weighted average of the two values. These results are presented in Figures 6 through 227. For purposes of this report a viewing angle of 90° corresponds to the balloon horizon and a viewing angle of 00 corresponds to the nadir. All radiance values quoted are in microwatts cm-2 steradian⁻¹ and represent the radiance passed by the filter.

As on the July 5 flight the internal black body temperature ran about 10°C warmer than it had been running on the flights made from Holloman AFB. As a result of the increased temperature, the high gain used with filter 11, and the small amount of radiation reaching the radiometer in the wavelengths passed by this filter (4.3 μ) the detector output was off scale in the negative direction when this filter was in front of the detector. Thus no data were obtained for filter 11. Filter 12 is an opaque plug and is used to check the instrument noise level. The noise level remained constant throughout the flight.

The equipment was launched so that most of the flight took place during the night. Although the balloon was in the sunlight after reaching about 10 kms there was no sunlight falling on the earth and the lower layers of the atmosphere. As a result of this lack of incoming solar radiation the intensity of radiation measured on the ultraviolet channel was only slightly above the noise level of the system most of the time. In view of this the ultraviolet data have not been included in this report.

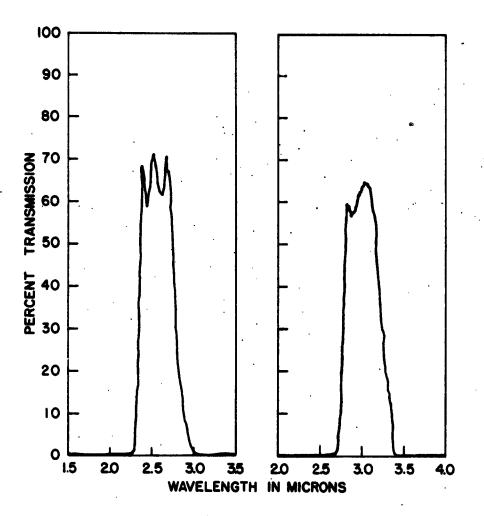
N.





IR Filter Nos. 1, 6 IR Filter Nos. 2, 7
Figure 1

. F.

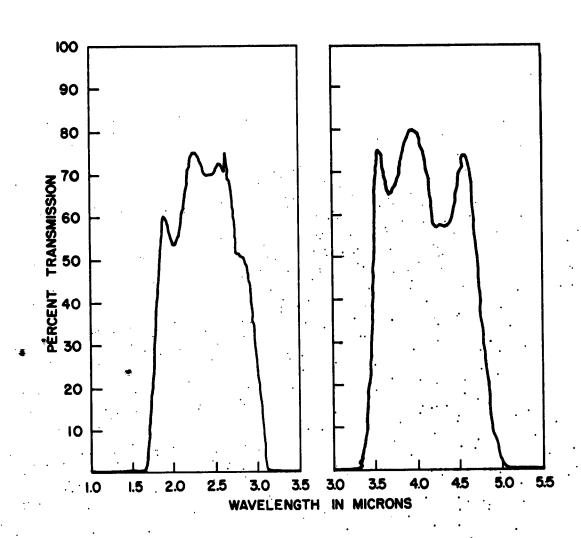


IR Filter No. 3

IR Filter No. 4

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Figure 2

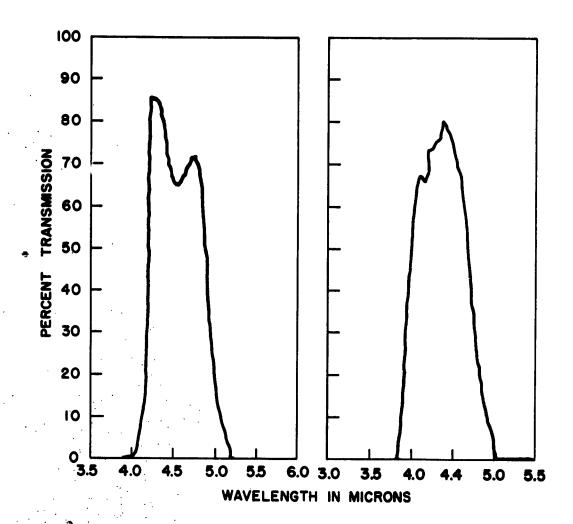


IR Filter No. 5

IR Filter No. 8

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Figure 3

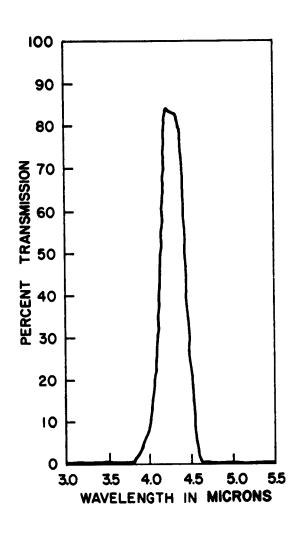


IR Filter No. 9

IR Filter No. 10

*

Figure 4



IR Filter No. 11
Figure 5

SPECTRAL BAND 3.95 TO 4.80 MICRONS ELEVATION 15.3 KM

FILTER 10 AT 2341 AST

INSOL ANGLE 93.4 DEG

SA	/A	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	30.	0.	15.	0.	0-	0.	0.
0	A	0.	0.	0.	15.	0.	15.	0-	0-	0.	0.
	L	0.	0.	0.	0.	0.	15.	0.	0-	0.	0.
	R	0.	0.	0.	30.	0.	45%	0.	0.	0.	0.
10	A	0-	0.	0.	38.	0.	45.	0.	0.	0.	0.
	L	0.	0.	0.	45.	0.	45.	0-	0-	0.	0.
	R	0-	0.	0.	90.	0.	75.	0.	0.	0.	0.
20	A	0-	0.	0.	60.	0.	53.	,0•	0.	0.	0.
	L	0.	0.	0.	30.	0.	30.	0.	0.	0.	0.
	R	0.	0.	0-	45.	0.	60.	0.	30.	0.	0.
30	A	0.	0.	0.	45.	0.	60.	. 0.	15.	0.	0.
	L	0-	0.	0.	45.	0-	60.	0.	0.	0.	0.
	R	0.	0.	30.	75.	0-	120.	0.	135.	15.	0.
40	A	0.	0.	15.	53.	0.	83.	0.	75.	8.	0.
	L	0-	0.	0.	30.	0-	45.	. 0.	15.	. 0.	0.
	R	0.	0.	0.	30.	0.	45.	0.	120.	0.	0.
50	A	0-	0.	0.	45.	0.	60.	0.	98-	60.	0.
	L	0.	0.	0.	60.	0-	75.	0.	75.	120.	ó.
	R	0.	0.	0.	30.	0.	105.	. 0.	90.	30.	. 0.
60	A	0.	0.	0.	30.	0.	113.	0.	53.	38.	0.
	L	0-	0.	0.	30.	0.	120.	0.	15.	45.	0.

TABLE 1

IR	NUMBER	ΩF	OBSERVATIONS	AS	Δ	FUNCTION	OF	SUN	AZ IMUTH
----	--------	----	--------------	----	---	----------	----	-----	----------

FILTER 10 AT 2341 AST INSOL ANGLE 93.4 DEG

	TRAL			U 70	80 MICR	.U43	ELEVATION		15.3	KM
A	0	10	20	30	⊹4 0	50	60	70	80	90
R	0.	0.	0.	135.	0.	75.	.0.	105.	15.	0.
A	0.	0.	0.	90.	0.	98.	0.	83.	98.	0.
L	0.	0.	0.	45.		120.		•		
R	0.	.0.	, 0.	225.	0.	75.	. 0.	90.	45.	0.
A	٥.	0.	0.	128.	. 0.	90.	. O.	.68.	135.	0.
Ŀ	0.	. 0.			1 4 4 W	13 - 1 × 1 × 1 × 1 × 1	200	45.	.225.	. 0.
R	0.	.0.	0.	690-	0.	7.75.	. o.,	135.	15.	
A	0.	0.	0.	360.	. o.	90.	0.	113.	.90.	
L	0.								165	0.
R	0.	0.	0.	45.	0.	60.	· • •	120.		· 0.
A	0.	0.	0.	38-	.0.	68.	0.	113.	68.	.0.
Ł		0.	0.	30•	0.	75.	. 0.	105.	135.	0-
R	0.					20.0				EGNES-HAMPER
A =	0.	0.	•	• • •						
L.	0.	0.	0.	60.	, , , ,					
R	0.									
A :	0.								*	
:							:	•		
	RALRALRAL	R 0. A 0. L 0. R 0. A 0. L 0. R 0. A 0. L 0. A 0. L 0.	R 0. 0. A 0. 0. L 0. 0. R 0. 0. A 0. 0. L 0. 0. R 0. 0. L 0. 0. L 0. 0. L 0. 0. L 0. 0.	R 0. 0. 0. 0. A 0. 0. 0. 0. R 0. 0. 0. 0. L 0. 0. 0. 0.	R 0. 0. 0. 225. A 0. 0. 0. 128. L 0. 0. 0. 30. R 0. 0. 0. 360. L 0. 0. 0. 360. R 0. 0. 0. 38. L 0. 0. 0. 38. L 0. 0. 0. 38. L 0. 0. 0. 30. R 0. 0. 0. 30. R 0. 0. 0. 30. L 0. 0. 0. 30. L 0. 0. 0. 30. L 0. 0. 0. 30.	R 0. 0. 0. 225. 0. A 0. 0. 0. 128. 0. L 0. 0. 0. 30. 0. R 0. 0. 0. 690. 0. L 0. 0. 0. 360. 0. L 0. 0. 0. 360. 0. L 0. 0. 0. 38. 0. L 0. 0. 0. 38. 0. L 0. 0. 0. 30. 0. L 0. 0. 0. 53. 0. L 0. 0. 0. 60. 0. L 0. 0. 0. 60. 0. L 0. 0. 0. 60. 0.	R 0. 0. 0. 225. 0. 75. A 0. 0. 0. 128. 0. 90. L 0. 0. 0. 30. 0. 105. R 0. 0. 0. 690. 0. 75. A 0. 0. 0. 360. 0. 90. L 0. 0. 0. 38. 0. 68. L 0. 0. 0. 38. 0. 68. L 0. 0. 0. 39. 0. 75. R 0. 0. 0. 35. 0. 45. L 0. 0. 0. 30. 0. 75. R 0. 0. 0. 30. 0. 75. R 0. 0. 0. 30. 0. 75. R 0. 0. 0. 30. 0. 75.	R 0. 0. 0. 225. 0. 75. 0. A 0. 0. 0. 128. 0. 90. 0. L 0. 0. 0. 30. 0. 105. 0. R 0. 0. 0. 360. 0. 75. 0. A 0. 0. 0. 360. 0. 30. 0. L 0. 0. 0. 38. 0. 68. 0. A 0. 0. 0. 38. 0. 68. 0. L 0. 0. 0. 38. 0. 68. 0. L 0. 0. 0. 30. 0. 75. 0. C 0. 0. 53. 0. 45. 0. C 0. 0. 0. 53. 0. 45. 0. C 0. 0. 0. 53. 0. 45. 0. C 0. 0. 0. 60. 0. 90. 0. C 0. 0. 60. 0. 75. 0. C 0. 0. 0. 60. 0. 75. 0.	R O. O. O. 225. O. 75. O. 90. A O. O. O. 128. O. 90. O. 68. L O. O. O. 30. O. 105. O 45. R O. O. O. 690. O. 75. O. 135. A O. O. O. 360. O 90. O. 113. L O. O. O. 30. O. 105. O. 90. R O. O. O. 38. O. 60. O. 120. A O. O. O. 38. O. 68. O. 113. L O. O. O. 30. O 75. O. 105. L O. O. O. 30. O 75. O. 105. L O. O. O. 30. O 75. O. 105. L O. O. O. 30. O 75. O 125. R O. O. O. 45. O 98. L O. O. O. 53. O 45. O 98. L O. O. O. 60. O 90. O 135. R O. O. O. 60. O 90. O 135.	R O. O. O. 225. O. 75. O. 90. 45. A O. O. O. 128. O. 90. O. 68. 135. L O. O. O. 30. O. 105. O. 45. 225. R O. O. O. 690. O. 75. O. 135. 15. A O. O. O. 360. O. 90. O. 113. 90. L O. O. O. 360. O. 105. O. 90. 165. R O. O. O. 45. O. 60. O. 120. O. A O. O. Jas. O. 68. O. 113. 68. L O. O. O. 30. O. 75. O. 105. 135. R O. O. O. 35. O. 68. O. 105. 135. R O. O. O. 53. O. 68. O. 105. 135. L O. O. O. 53. O. 65. O. 98. 75. L O. O. O. 60. O. 90. O. 135. 120. R O. O. O. 60. O. 90. O. 135. 120.

TABLE 1 CONT.

FILTER 10 AT 2341 AST

IR NUMBER OF OBSERVATIONS AS A FUNCTION OF SUN AZIMUTH

INSOL ANGLE 93.4 DEG

SA VA	0	10	20	30	40	50	60 .	70	80	90
R	0.	0.	0.	45.	0.	75.	0.	30.	30.	0
30 A	0.	0.	0.	60.	0.	105.	0.	60.	98.	0
L	0.	0.	0.	75.	0-	135.	0.	90.	165.	0
· R	0.	0.	0.	45.	;/*.O•	90.	0.	15.	60.	0
40 A	- 0.	0.	\$ 2 · O • 1	53.	0.	105.	0.	45.	113.	0
	0.	0.	* ***********************************	60.	.0.	120.	0.	75.	.165.	0
R	, 0.	7 7-0∙		ô.	•0•.	75.	0.	. 15:	30.	0
50 A	0.	.0.		45.	. 0.	. 98-	0.	.45.	83.	0
						120.				
R		0.	0.	60.	0.	120:	0.	45.	30.	0
60 A	· 0.	0.	0.	53	0•	83.	`````O•	90.	68.	0
L	. 0.	0.	0.	45.	¥	45.		135.	105.	0
R	0.00					. 90 •				
70 A	0.	0.	0.	·*.30•	., O.	75.	0.	165.	158.	0
L	0.	· .0•				60.				
R	0.	2 1 1 7 m		the state of the s	T. 10	30•				
80 A			1. 1. 16 T. O.	27 3 300 700	Y 6	30.			•	
			NY 1000 - 28			30.	•			•

TABLE 1 CONT.

[
0		TER 1		2341 AS 3.95 1		0 MI	IN Crons		ANGLE 9)3.4 Di	EG Km
IJ	376	UINAL	DAND	3477	10 4.0	U A1	CNUNS	E.	EANITON	19.3	KII
1	VA SA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	10.56	0.	11.08	0-	0-	0.	0.
	0 A	0.	0.	0.	10.56	0.	11.09	0.	0.	0.	0.
	ι	0.	0.	0.	0.	0.	11.10	0.	0.	0.	0.
	R	0.	0.	0.	10.57	0.	10.67	0.	0.	0.	0.
	10 A	0.	0.	0.	10.58	0.	10.70	0.	0.	0.	0.
	L	0.	0.	0.	10.59	0-	10.74	0.	0.	0.	0.
	R	0.	0.	0.	10.46	0.	10.80	0.	0.	0.	0.
11	20 A	0.	0.	0.	10.54	0.	10.78	0.	0.	0.	0.
	L	0.	0.	0.	10.76	0.	10.74	0.	0.	0.	0.
	R	0.	0.	0.	10.41	0.	10.58	0.	11.28	0.	0.
	30 A	0.	0.	0.	10.54	0.	10.70	0.	11.28	0.	0.
	L	0.	0.	0.	10.67	0-	10.82	0.	0.	0.	0.
11	R	0.	0.	9.83	10.71	0.	10.78	0.	11.25	11.08	0.
	40 A	0.	0.	9.83	10.81	0.	10.78	0.	11.23	11.08	0.
	L	0.	0.	0.	11.07	0.	10.78	0.	11-04	0.	0.
		0.	0.	0.			11.10				0.
I	50 A	0.	0.	0.	11.08		11.06				
E	L		0.	0.	11.30		11.04		10.78		0.
I	R		0.	0.	10.90		10.90		11.25		0.
_	60 A	0.	0.		11.20		11.04		11.24		
	L		0.		11.50		11.16				
•	RADIAN						PER SQ.			RADIAN	•
		AIEM	ING AN	IGLE AND) SUN A	ZIMU	TH ARE I	N DE	GREES.		

IR MEAN RADIANCE AS A FUNCTION OF SUN AZIMUTH

-	FIL	TER 10	AT 2	341 AS	ST .		INS	OL AN	IGLE 9	3-4 DE	:G
	SPEC	CTRAL	BAND :	3.95 1	ro 4. 80) MICR	RONS	ELEV	ATION	15.3	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	10.70	0.	10.70	0.	11.15	11.04	0.
70	A	0.	0.	0.	10.84	0.	11-04	0.	11.17	10.91	0.
	L	0.	0.	0.	11.27	0.	11.26	0.	11.21	10.89	0.
	R	0.	0.	0.	10.93	0.	10.82	0.	11.10	11.11	0.
80	A	0.	0.	0.	10.99	0.	10.87	0.	11.19	10.97	0.
	L	0.	0.	0.	11.39	0.	10.90	0.	11.37	10.94	0.
	R	0.	0.	0.	10.58	0.	10.90	0.	10.90	10.78	0.
90	A	0.	0.	0.	10.61	0.	10.97	0.	11.11	11.24	0.
	L	0.	0.	0.	11.18	0.	11.03	0.	11.43	11.29	0.
	R	0.	0.	0.	10-42	0.	10.60	0.	10.85	0.	0.
100	A	0.	0.	0.	10.58	0.	10.92	0.	11.22	11-61	0.
	L	0.	0.	0.	10.83	0.	11-18	0.	11.65	11.61	0.
	R	0.	0.	0.	10.53	0.	0.	0.	10.90	10.76	0.
110	A	0.	0.	0.	10.52	0.	11.58	0.	11.44	11.23	0.
	L	0.	0.	0.	10.51	0.	11.58	0.	11.69	11.35	0.
	R	0.	0.	0.	10.38	0.	10.89	0.	11.33	11.08	0.
120	A	0.	0.	0.	10.59	0.	10.98	0.	11.75	11.43	0.
	L	0.	0.	0.	10-63	0.	11-01	0.	11.94	11.55	0.
RAD	I AN(E VAL	UES ARI	E IN P	ILCROWAT	TS PE	R SQ. C	M. PE	R STER	ADIAN.	
		VIEWI	NG ANG	LE AND	SUN AZ	IMUTH	ARE IN	DEGR	REES.		

TABLE 2 CONT.

		EII	TED 1	n AT	2241 /	LCT.		TA	ICOL A	NCI E	93 4 90	EC
								IN Crons				
I		VA	0	10	20	30	40	50	60	70	80	90
I		A R	0	0.	0.	10.45	0.	10.69	0.	11.60	11.73	0.
F.		$\sim 10^{-1}$	A 19 10 10 10 10 10 10 10 10 10 10 10 10 10	337 No.				10.78				
	4 . 4 . 3 . 3 . 4 . 5		The work of the	100		2	" "	10.83			· .	
		100	. O					10.59				
Π^{*}	300 m		0.,		27	200		11:19				
11)		R	0.	4. 4.4	0.	0.	0.5	10.58	Ô.	11.48	11-45	0.
	15	0 A	1. 1. 1.	.0.	0.	.10.61	0.	10.86		11.45		
		Ĺ	.0.		Barren .	10.61	400	11.03			11.32	
	16	0 A	0.	0.		10.67	200	10.68	100 m		11.29	1 m 1 m 1
11.	and the second s	ι	****		0.		0.	10.94	ō.	11,79	And the second	
ll;		R	0.	0.	Ö.	,10.77	70.	10.43	0.	11721	11-30	0.
	17	•.	0.	y		10.78		×10.15			* \ <u>`</u>	31. 3
n.			0. 0.	A	1. A. T. S.			9.74	See .	11.63	***	~ ~
Ш	18) 0 A	0.	0	0.	10.71	* -	+10.33	1.78 a.	11.58		
		L	· 0•	0.	0.	. 19		10.38		11-64		
F	RA	DIAN	CE VAI	LUÉS A	RE IN	MICROWA	TTS P	ER SQ.	CM. P	ER STER	RADIAN	
■.			VIEW	ING AN	GLE AN	D SUN A	ZIMUT	H ARE I	N DEG	REES.		٠.

TABLE 2. CONT.

FILTER 10 AT 2341 AST INSOL ANGLE 93.4 DEG

SPE	CTRAL	BAND	3.95	TO 4-8	BO MIC	RONS	ELE	VATION	15.3	KM
	0	10	. 20	30	40	50	60	70	80	9(
A				• .	٠.		•			
R	0-	0-	0.	1-17	0.	0.97	0.	0.	0.	0
0 A	0.	0.	0.	1.17	0.	1.58	0.	0.	0.	0
L	.0.	0.	0.	0.	_0 .,	. 1.25	0.*	0.	0.	Ö
R	0.	0.	0.	0.98	0.*	1:02	0.	ō.	0.	0
0 4	0.			1.46		1.50	N 180		• •	0
		** 455	***	1.09	نتم فوند 🐔	1.10				• •
F.C.	<i>y</i> . U •	A Da				**1-10 ****	"U•	. 0.	0.	U
R	.0.		•			1:11				٠.
0. A	. 0•	 0.	0.	, 1.49	. 0.	1.65	0.	0.	0.	0
L	0.	0.	0.	1.05	.0.	1.22	0.	0.	0.	0
R	0.	۰,0.1	7-0.	1.07	0.	1.05	0.	1.07	0.	. 0
O A	0.	····0:				1.51				
in it		~	* ***		3. 10.00	1.09			٠.	
						1.15		• • •	•	
R			1 - 1 - 04	1.08	0.	1.15: 1.60	4 0	1-11	1.06	U
0, A,	0.	· 0.	1.04							
C.L.	.0	, o	0.	1.10	*0•	1.10	0.	1.35	0.	0
R	(70° 3	ົດ.ື	ە ر ە0.	1.15	0.	, 1.03	· 0.	1.07	0.	0
0 A	.0.	0.			COLUMN TO THE TOTAL TOTAL TO THE TOTAL TO TH	1.51	7			
	, ,		0.	1.11	0.	1.09	0.	1.35	1.06	. 0
	. 0.			1 14	^	1 00	0	1 00	1.07	
				*		1-09		•		
	•					1.54			1.49	
. L	0.	0.	0.	0.89	0.	1.09	0.	1.07	1.04	0

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

		FIL	TER-1	TA 0	2341	AST		1	NSOL	ANGLE S	93.4 D	EG
		SPE	CTRAL	BAND	3.95	TO 4.8	0 M	ICRONS	E	LEVATION	15.3	KM
	SA	VA	0	10	20	30	40	50	60	70	80	90
		R	0.	0.	0.	1.04	0.	1.14	0.	1.04	1.07	0.
	70	A	0.	0.	0.	1.47	0.	1.57	0.	1.50	1.54	0.
÷		Ł	0.	0.	0.	1.03	0.	1.08	0.	1.08	1.11	0.
		R	0.	0.	0.	1-14	0.	1-14	0.	1.11	1.03	0.
	80	A	0.	0.	0.	1-68	0.	1.59	0.	1.54	1-49	0.
		L	0.	0.	0.	1.24	0.	1.11	0.	1.07	1.08	0.
		R	0.	0.	0.	1.09	0.	1.12	0.	1-06	1.13	0.
	90	A	0.	0.	0.	1-47	0.	1.58	0.	1.52	1.56	0.
		L	0.	0.	0.	0.99	0.	1.11	0.	1.09	1.08	0.
		R	0.	0.	0.	1.09	0.	1.12	0.	1-07	0.	0.
	100	A	0.	0.	0.	1.53	0.	1.55	0.	1.53	1.07	0.
		L	0.	0.	0.	1.07	0.	1.07	0.	1.08	1.07	0.
		R	0.	0.	0.	1.12	0.	0.	0.	1-14	1-06	0.
:	110	A	0.	0.	0.	1.54	0.	1.12	0.	1.58	1.55	0.
		Ł	0.	0-	0.	1.06	0.	1.12	0.	1.09	1.13	0.
		R	0.	0.	0.	1.24	0.	1.28	0.	1.09	1.01	0.
1	120	A	0.	0.	0.	1.67	0.	1.66	0.	1.55	1.47	0-
		L	0.	0.	0.	1.12	0.	1.06	0.	1.10	1.06	0.
ŧ	RAD	I AN	CE VAI	LUES A	RE IN	MICROWA	TTS	PER SQ.	CM.	PER STER	ADIAN.	•

TABLE 3 CONT.

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

	FIL	TER- I	O AT	2341 A	ST		IN	SOL	ANGLE 9	3.4 DI	EG
	SPE	CTRAL	BAND	3.95	TO 4.8	O MI	CRONS	EL	EVATION	15.3	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	1.08	0.	1.10	0.	1.06	1.02	0.
130	A	0.	0.	0.	1.58	0.	1.58	0.	1.56	1.45	0.
	L	0.	0.	0.	1.15	0.	1.13	0.	1.15	1.02	0.
	R	0.	0.	0.	1.07	0.	1-11	0.	1.15	1.11	0.
140	A	0.	0.	0.	1.52	0.	1.52	0.	1.55	1.56	0.
	L	0.	0.	0.	1.09	0.	1.03	0.	1.04	1.10	0.
	R	0.	0.	0.	0.	0.	1.08	0.	1.04	0.99	0.
150	A	0.	0.	0.	1.08	0.	1.54	0.	1-48	1.46	0.
	L	0.	0.	0.	1.08	0.	1.10	0.	1.06	1.07	0.
	R	0.	0.	0.	1.07	0.	1.14	0.	1.07	1.02	0.
160	A	0.	0.	0.	1.54	0.	1.60	0.	1.50	1.48	0.
	L	0.	0.	0.	1.11	0.	1.12	0.	1.05	1.07	0.
	R	0.	0.	0.	1.12	0.	1.12	0-	1.08	1.09	0.
170	A	0.	0.	0.	1.52	0.	1.84	0.	1.51	1.53	0.
	L	0.	0.	0.	1.03	0.	1.47	0.	1.06	1.08	0.
	R	0.	0.	0.	0.	0.	1.17	0.	1.03	0.99	0.
180	A	0.	0.	0.	1.11	0.	1.62	0.	1.47	1.46	0.
	L	0.	0.	0.	1.11	0.	1.12	0.	1.05	1.07	0.
RAD	IAN	ICE V	ALUES	ARE IN	MICROWA	TTS	PER SQ.	CM.	PER STEF	RADIAN	•

TABLE 3 CONT.

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

IR NUMBER	OF	OBSERVATIONS	AS	Δ	FUNCTION	NE	SCATTERING	ANG! F
-----------	----	--------------	----	---	----------	----	------------	--------

FIL	TER 10	AT 2	2341 AS	ST.		IN	ISOL AN	IGLE 9	93.4 D	EG
			3.95 T							
VA SA	0	10	20	30	40	50	60	70	80	90
0	0.	. 0.	0.	0.	0.	. 0.	. 0.	0.	0.	. (
10	0.	. 0•	. 0.	0.	0.	٠0.	0.	0.	0.	(
20	0.	0.	0.	0.	0.	0.	0.	. 0-	0.	
30	0.	0.	0.	0.	0.	0.	0.	15.	0.	,
40	0•	0.	0.	0.	0.	255.	0.	150.	15.	•
50	0.	- 0.	0.	0.	0.	270.	0.	195.	120.	
60	* ·0 · ·	0.	0.	315.	0.	225.	0.	120.	75.	
70	0.*:	.0.	30.	225.	0.	255.	0.	165.	210.	
- 80	0	0.	0.	480.	0.	225.	0.	135.	285.	%+ -
90	* o:	0.	.0.	810.	0.	255.	.0.	240•	180.	
100.	,0:	0:	0	-270-	0.	135.	0.	225.	135.	
-110	. 70.	0.	.0.	390.	. 0.	240.	. 0.	225.	150.	:
120,	0.	· · · · · · · ·	, ,0.	45.	0.	315.	0.	150.	120.	
130	0.	. 0.	0.	0:	O.	375.	0.	.120.	255.	
140	0.	0.	0.		.0.	225	. 0.	105.	195.	
150	0.	70.	0.	0.	o.,	0.	. O.	225.	180.	
160	0	``O.+		· 0:	- 0.	0.	0.	510.	555.	
170	0.	0.		. O.	0.	0.	0.	0.	0.	. (
180	0.•	O.	0.	· · · · ·	- o.	0.	0.	. 0.	0.	. (

TABLE 4

IR MEAN RADIANCE AS A FUNCTION OF SCATTERING ANGLE

	FILTER 1	O AT	2341 A	ST		IN	SOL	ANGLE	93.4 DI	EG
	SPECTRAL	BAND	3.95	FO 4. 8	O MI	CRONS	EL	EVATION	15.3	KM
SA	VA C	10	20	30	40	50	60	70	80	90
. 0	0.	0.	0.	0.	0.	. 0.	0.	· 0•	0.	0.
10	0.	0.	0.	0.	0.	0.	0.	0.	0.	.0.
20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0	0.	11.26	0.	0.
40	0.	0.	٥.	0.	0.	10.81	0.	11.25	11.08	0.
50	0.	0.	.0.	0.	0.	10.74	0.	10.91	11.06	0.
60	5 0	.0.	Ö.	10.55	0.	11.03	0.	11.19	11.22	0.
70	0.	0•.	9.83	11.01	o.	11.08	0.	11.17	10.93	0.
80	0.	0.	0.	10.92	0.	10.89	0.	11.19	10.97	0.
90	0.	0.	0.	10.60	0.	10.95	oʻ•	11.08	11.31	0.
100	0.	0.	0.	10.63	0.	11.31	.0.	11.27	11.66	0.
110	0.	0.	0.	10.69	٥٠,	10.93	0.	11.39	11.16	0.
120	0.	0.	0•	10.75	0.	10.85	0.	11.92	11.58	0.
130	0.	0.	0.	0.	0,	10.82	0.	11.83	11.54	0.
140	0.	0•	0.	0.	0.	10.25	0.	. 11.36	1,1.36	0.
-150	0.	0.	0.	0.	0.	0.	0.	11.58	11.40	0.
160	0.	0.	0.	0.	0.	0.	0.	11.46	11.49	0.
170		0.	0.	0.	0.	0.	0.	0.	0.	0.
180	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
RAD	IANCE VAL	UES A	RE IN	11 CROWA	TTS P	PER SQ.	CM. P	ER STER	ADIAN.	•

TABLE 5

VIEWING ANGLE AND SCATTERING ANGLE ARE IN DEGREES.

IR RMS FLUCTUATION AS A FUNCTION OF SCATTERING ANGLE

FILTER 10 AT 2341 AST INSOL ANGLE 93.4 DEG										
	SPECTRAL	BAND	3.95 T	0 4.8	0 MI	CRONS	EL	EVATION	15.3	KM
SA	/A 0	10	20	30 .	40	50	60	70	80	90
0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0-	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.	0.	1.23	0.	0.
40	0.	0.	0.	0.	0.	1-10	0.	1-11	1.06	0.
50	0.	0.	0.	0.	0.	1.14	0.	1.20	1.06	0.
60	0.	0.	0.	1.08	0.	1.08	0.	1.07	1.08	0.
70	0.	0.	1.04	1.13	0.	1-14	0.	1.06	1.11	0.
80	0.	0.	0.	1.12	0.	1-10	0.	1-10	1.08	0.
90	0.	0.	0.	1.10	0.	1-11	0.	1.10	1.08	0.
100	0.	0.	0.	1.13	0.	1-16	0.	1-16	1.05	0.
110	0.	0.	0.	1.10	0.	1-13	0.	1-16	1.13	0.
120	0.	0.	0.	1.10	0.	1-11	0.	1-10	1.06	0.
130	0.	0.	0.	0.	0.	1-13	0.	1-14	1.06	0.
140	0.	0.	0.	0.	0.	1.29	0.	1.08	1.11	0.
150	0.	0.	0.	0.	0.	0.	0.	1.05	1.06	0.
160	0.	0.	0.	0.	0.	0.	0.	1-09	1.08	0.
170	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
180	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
RADI	ANCE VA	LUES A	RE IN M	ICROWA	TTS F	PER SQ.	CM. F	PER STER	ADIAN.	•
	VIEWIN	G ANGL	E AND S	CATTER	ING A	ANGLE ARI	E. IN	DEGREES	•	

TABLE 6

FILTER	9 AT	2345 AST		INSOL ANGLE	93.4 DEG	
SPECTRA	L BAND	4.18 TO	4.97 MICRONS	ELEVATIO	N 16.1 K	M

SA V	A C)	10	20	30	40	50	60	70	80	90
1	R	0•	0.	0.	0.	0.	0.	0.	30.	0.	0.
0 4	A	0.	0.	0.	8.	0.	0.	0.	15.	15.	0.
1	L	0.	0.	0.	15.	0.	0.	0.	0.	30.	0.
1	R	0.	0.	0.	0.	0.	0.	0.	405.	45.	0.
10	A	0.	0.	0.	53.	0.	0.	0.	203.	30.	0-
I	L	0.	0.	0.	105.	0.	0.	0.	0.	15.	0.
1	R	0.	0.	0.	0.	0.	0.	0.	165.	15.	0.
20	A	0.	0.	0.	75.	0.	0.	0.	83.	15.	0.
,	L	0.	0-	0.	150.	0.	0.	0.	0.	15.	0.
:	R	0.	0.	0.	0.	0.	0.	0.	270.	0.	0.
30	A	0.	0.	0.	90•-	0.	0.	0.	135.	23.	0.
	L	0.	0.	0.	180.	0.	0.	0.	0.	45.	0.
!	R	0.	0.	0.	0.	0.	0.	0.	180.	15.	0.
40	A	0.	0-	0.	68.	0.	0.	0.	90.	68.	0.
	L	0.	0.	0.	135.	0.	0.	0.	0.	120.	0.
	R	0.	0.	0.	0.	0.	0.	0.	105.	75.	0.
50	A	0.	0.	0.	53.	0.	0.	8.	53.	68.	0.
	L	0.	0.	0.	105.	0.	0.	15.	0.	60.	0.
	R	0.	0.	0.	0.	105.	15.	0.	135.	45.	0.
60	A	0.	0.	0.	68.	53.	8.	180.	68.	75.	0.
	L	0.	0.	0.	135.	0.	0.	360.	0.	105.	0.
RADI	ANCE	VALU	ES ARI	E IN M	ICROWA	TTS PER	R SQ.	CM. PE	R STER	ADIAN-	

SA	A	0	10	20	30	40	50	60	70	80	90
	R	0.	· 0•	0.	0.	75.	15.	0.	180.	30.	
70	^A .	0.	0.	0.	83.	. 38.	8.	90.	90.	68.	0
	r °:	0.	0.	0.	165.	0.	0.	180.	0.	105.	0
	,	0.		W. 1	Carlotte San Carlotte	60.	1 Sec. 25				
80	A	0.	0.	0.	90.	30•	15.	143.	120.	60.	0
· : ;	L	0.	0.	о.	180.	0.	0.	285.	0-	75.	0
	R	0.	0.	0.	0.	75.	30.	0.	135.	60.	C
90	À	0.	0.	. 0.	75.	38.	15.	113.	68.	90•	C
:			1.55							•	*
• . •	R.	0.	.0.	⋄ ō. ́	0.	120.	30.	0.	105.	15.	C
100	¥.	0.		· '0.	75.	60.	15.	113.	53.	60.	C
: •	L ;	o.	.0.	, Ô.	150.	0.	0.	225.	0.	105.	C
	R	0.	0	.0.	0.	60.	45.	0.	105.	45.	C
110	A	0.	0.	0.	68.	30.	23.	173.	53.	120.	C
	L'a	0.	0.	0.	135.	. 0.	0.	345.	0.	195.	
	R	0.	Ö.	0.	0.	135.	30.	0.	120.	45.	C
120	A .	0.	0.	0.	90.	68.	15.	75.	60.	113.	C
	L	0.	0.	0.	180.	0.	0.	150.	0.	180.	C

TABLE 7 CONT.

FILT	ER	9 AT	2345 AS	ST .			INSOL	ANGLE	93.4 D	EG
SPEC	TRAL	BAND	4.18 1	ro 4.	.97 MIC	RONS	ELI	EVATIO	N 16.1	KM
VA	0	10	20	30	40	50	40	70	80	90

S A	/A	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	. 0.	30.	45.	0.	135.	30•	0.
130	A	0.	0.	0.	68.	23.	23.	135.	68.	90•	0.
	L	.0.	0.	0.	135.	15.	0.	270.	0.	150.	0.
	R	• 0.	0.	0.	0.	45.	30.	0.	150.	15.	0.
140	A	0.	0.	0.	75.	23.	15.	150.	75.	75.	0.
	·L	0.	0.	0.	150.	0.	0.	300.	0.	135.	0.
	R			0.	0.	75.	45.	0.	30.	60.	0.
150	A	0.	0.	∄ o •	68.	180.	113.	105.	15.	113.	0.
	Ĺ			0.	135.	285.	180.	210.	0.	165.	0.
	R	0•	0.	0.	0.	180.	15.	0.	0.	105.	0.
160	Α.	0.	0.	0.	83.	225.	105.	113.	0.	143.	. 0.
	L	0.	0.	0.	165.	270.	195.	225.	0.	180.	0.
	R	0.	0.	0.	165.	105.	75.	0.	0.	135.	0.
170	A	0.	0.	.0•	113.	113.	75.	30•	0.	180.	0.
	L	0.	0.	0.	60.	120.	75.	60.	0.	225.	0.
	R	. 0.	Ö.	· •	90•	45.	15.	0.	0.	105.	0.
180	A :	0.	0.	0.	98.	30.	8.	0.	0.	83.	0.
	L	0.	0.	0.	105.	15.	0.	0.	0.	- 60.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

TABLE 7 CONT.

	F	IL	rer .	9 AT	2345 A	ST		1	NSOL AI	NGLE '	93.4 DI	EG
	S	PE	CTRAL	BAND	4.18	TO 4-9	97 MICE	RONS	ELE	ATION	16.1	KM
ŞA		Α	0	10	20 .	30	40	50	60	70	80	90
		R	0.	0.	0.	U •	0.	0.	0.	26.07	0.	0.
C)	A	0.	0.	0.	26.14	0.	0.	0.	26.07	25.63	0.
		L	0.	0.	0.	26.14	0.	0.	0.	0.	25.63	0.
•		R	0.	0.	0.	0.	0.	0.	0.	26.03	25.51	0.
10)	A .	0.	0-	٠.	26.03	0.	0.	0.	26.03	25.56	0.
		L	0.	0.	0.	26.03	0.	0.	0.	0.	25.70	0.
		R	0.	0.	0.	0.	0.	0.	0.	26.01	24.60	0.
20)	A	0.	0.	0.	25.97	0.	0.	0.	26.01	25.41	0.
		L	0.	0.	0.	25.97	0.	0.	0.	0.	26.22	0.
		R	0.	0.	0.	0.	0.	0.	0.	25.89	0.	0.
30)	A	0.	0.	0.	25.73	0.	0.	0.	25.89	25.69	0.
		L	0.	0.	0.	25.73	0.	0.	0.	0.	25.69	0.
٠.		R	0 •	0.	0.	0.	0.	0.	0.	25.78	26.94	0.
40)	A , :	0.	0.	0.	25.80	0.	0.	0.	25.78	26.19	0.
	°	L	0.	0.	0.	25.80	0.	0.	0.	0.	26.09	0.
٠		R	0.	0.	0.	0.	0.	0.	0.	25.78	27.30	0.
50) }	A.	0.	0.	0.	25.68	0.	0.	26.86	25.78	26.84	0.
		L	0.	0.	0.	25.68	0.	0.	26.86	0.	26.26	0.
		R	0.	0.	0.	0.	25.30	25.44	0.	25.70	26.71	0.
60)	A	0.	0.	0.	25.90	25.30	25.44	26.85	25.70	26-42	0.
		L	0.	0.	0.	25.90	0.	0.	26.85	0.	26.30	0.
RAD	1	AN				MICROWA			CM. PI		RADIAN	•

TABLE 8

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

FILTER 9 AT 2345 AST INSOL ANGLE 93.4 DEG

	SPE	CTRAL	BAND	4.18	TO 4.	97 MICI	RONS	ELE	VATION	16-1	KM
SA	VA	o	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	25.49	25.60	0.	27.03	26.77	0.
70	A	0.	0.	0.	25.87	25.49	25.60	26.84	27.03	26.93	0.
	Ł	0.	0.	0.	25.87	0.	0.	26.84	0.	26.98	0.
	R	0.	0.	0.	0.	25.55	25.72	0.	27.30	26.41	0.
80	Á	0.	0.	0.	25.80	25.55	25.72	26.91	27.30	26.57	0.
	Ł	0.	0.	0.	25.80	0.	0.	26-91	0.	26.67	0•
	R	0.	0.	0.	0.	25.83	25.87	0.	27.18	26.48	0.
90	A	0.	0.	0.	25.96	25.83	25.87	26.63	27.18	26.36	0.
	L	0.	0.	0.	25.96	0.	0.	26.63	0.	26.30	0.
	R	0.	0.	0.	0.	25.72	25.80	0.	26.64	27.50	0.
100	A	0.	0.	0.	25.50	25.72	25.80	26.39	26.64	26.51	0.
	L	0.	0.	0.	25.50	0.	0.	26.39	0.	26.37	0.
	R	0.	0.	0.	0.	25.51	25.49	0.	26.85	26.61	0.
110	A	0.	0.	0.	25.38	25.51	25.49	26.38	26.85	26.67	0.
	L	0.	0.	0.	25.38	0.	0.	26.38	0.	26.69	0.
	R	0.	0.	0.	0.	25.65	25.83	0.	26.83	26.24	0.
120	A	0.	0.	0.	25.52	25.65	25.83	26.40	26.83	26.59	0.
	L	0.	0.	0.	25.52	0.	0.	26.40	0.	26.68	0.
RAD	I AN	CE VAL	UES A	RE IN	MICROWA	ATTS PE	R SQ.	CM. PE	R STER	ADIAN.	•
		VIEW	ING AN	GLE AN	D SUN A	ZIMUTH	ARE I	N DEGR	REES.		

TABLE 8 CONT.

	FIL	TER	9 AT	2345 A	ST		I	SOL A	NGLE S	93.4 DI	EG
	SPE	CTRAL	BAND	4.18	TO 4.9	97 MICI	RONS	ELE	VATION	16.1	KM
S	VA N	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	25.41	25.49	0.	27.25	26.48	0.
130	AC	0.	0.	0.	25.62		25.49			•	0.
	L	0.	0.	0.	25.62	26.08	0.	26.39	0.	27.06	`, O•
	R	0.	0.	0.	0.	25.52	25.50	0.	26.72	26.22	0.
140) A	0.	0.	0.	25.76	25.52	25.61	26.45	26.72	27.31	0.
	L	0.	0.	0.	25.76	0.	0.	26.45	0.	27.43	0.
	R	0.	0.	0.	0.	25.57	25.62	0.	26.99	26.19	0.
150	D A	0.	0.	0.	25.67	26.82	26.84	27.49	26.99	26.98	0.
	L	0-	0.	0.	25.67	27.15	27.14	27.49	0.	27.26	0.
	R	0.	0.	0.	0.	26.35	26.74	0.	0.	26.47	0,•
160	A 0	0.	0.	0.	25.89	26.06	25.75	27.51	0.	26.66	0.
	L	0.	0.	0.	25.89	25.87	25.68	27.51	0.	26.77	0.
	R	0.	0.	0.	25.58	26.65	26.42	0.	0.	26.84	0.
170	A C	0.	. 0-	0.	25.45	26.35	26.31	27.39	0.	26.95	0.
	L	0.	0.	0.	25.10	26.08	26.20	27.39	0.	27.02	0.
	R	0.	0.	0.	25-64	26.06	26.34	0.	0•	27.25	0-
180	A C	0.	0.	0.	25-46	25.94	26-34	0.	0.	27.20	0.
	L	0.	0.	0.	25.31	25.60	0-	0.	0.	27.12	0.
RAI	DIAN	ICE VA	LUES A	RE IN	MICROW	ATTS P	ER SQ.	CM: PI	ER STE	RADIAN	•
		VIEW	ING AN	GLE AN	ID SUN	AZIMUTI	H ARE	IN DEGI	REES.		

TABLE 8 CONT.

	FIL	TER	9 AT	2345 AS	ST .		10	NSOL AN	IGLE 9	3.4 DI	EG
	SPE	CTRAL	BAND	4.18	TO 4.9	7 MICR	ONS	ELEV	ATION	16.1	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.	0.	0.	1.03	0.	0.
Q	A	0.	0.	0.	1.05	0,•	0.	0.	1.03	1.06	0.
	L	0.	0.	0.	1.05	0.	0.	0.	0,•	1.06	0-
	R	0.	0.	0.	0.	0.	0.	0.	1.07	1.27	0-
10	A.	0.	0.	0.	1.07	0.	0.	0.	1.07	1.68	0.
	L	0.	0.	0.	1.07	0.	0.	0.	0.	1.11	0.
: .	R	0.	0.	0.	0.	0.	0.	0.	1.05	1.14	0.
20	A	0.	0.	•0•	1.08	0.	0.	0.	1.05	1.51	0.
	L	0.	0.	0.	1.08	0.	0.	0.	0.	0.99	0.
	R	0.	0.	0.	0.	0.	0-	0.	1.16	0.	0.
30	A	0.	0.	0.	1.11	0.	0.	0.	1.16	1.26	0.
	L	0.	0.	0.	1.11	0.	0.	0.	0.	1.26	. 0.
•	R	0.	0.	0.	0.	0.	0.	0.	1.10	0.98	0.
40	A	0.	0.	0.	1.08	0.	0.	0.	1.10	1.47	0.
٠.	L	0.	0.	0.	1.08	0.	0.	0.	0.	1.09	0•
• •	R	0.	0.	0.	0.	0.	0.	0.	1-18	1.06	0.
		0.	0.	0.	1.06	0.	0.	0.98	1.18		0.
.· ·	Ľ,	0.	0.	0.	1.06	0.	0.	0.98	0.	1.07	0•
	R	0.	0.	· O.,	0.	1.09	1.03	0.	1.13	0.99	0.
								1.02			
	L	0.	0.	0.	1.04	0.	0.	1.02	0.	1.09	0.
RAD	I AN	CE VAI	LUES A	RE IN M	ICROWA	TTS PE	R SQ.	CM. PE	R STER	ADIAN.	

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

F	ILT	TER 9	AT 23	45 AST			INS	OL ANG	LE 93	.4 DE	G
S	PEC	TRAL E	SAND 4	.18 TC	4.97	MICRO	INS	ELEVA	TION 1	6-1	KM
SA.	/A	0	10	20	30	40	50	60	70	80	90
38		^	•	^	0			•	1 10	1 04	^
	R	0.	0.	0.	0.	1.11	1.08		1.10	1.06	0.
70	A	0.	0.	0.	1.06	1.11	1.08	1.07	1.10	1.60	0.
	L	0.	0.	0.	1.06	0.	0.	1.07	0-	1.20	0.
	R	0.	0.	0.	0.	1.08	1.03	0.	1.02	1.06	0.
80	A	0.	0-	0.	1.04	1.08	1.03	0.98	1.02	1.63	0.
	Ľ,	0.	0.	0.	1.04	0.	0.	0.98	0.	1.24	0.
	R	0.	0.	0.	0.	1.00	0.99	0.	1.03	1.09	0.
90	A	0.	0.	0.	1.04	1.00	0.99	1.05	1.03	1.57	0.
	L	0.	0.	0.	1.04	0.	0.	1.05	0.	1.12	0-
	R	0.	0.	0.	0.	1.06	1.12	0.	1.02	1.08	0.
100	A	0.	0.	0.	1.13	1.06	1.12	1.04	1.02	1.58	0.
	L	0.	0.	0.	1.13	0.	0.	1.04	0.	1.15	0.
	R	0.	0.	0.	0.	1.14	1.11	0.	1.02	1.08	0.
110	A	0.	0.	0.	1.12	1-14	1.11	1.07	1.02	1.64	0.
	L,	0.	0.	0.	1.12	0.	0.	1.07	0.	1.23	0.
	R ·	0.	0.	0.	0.	1.11	1.11	0.	1.03	1.04	0.
120	A	0.	0	0.	1.07	1.11	1.11	1.05	1.03	1.48	0.
	L	0.	0.	0.	1.07	0.	0.	1.05	0.	1.06	0.
RADI	ANC	E VAL	JES ARE	IN MI	CROWAT	TS PE	R SQ. (M. PER	STERA	DIAN.	

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

TABLE 9 CONT.

1	FIL	TER 9	AT	2345 AS	T		IN	SOL AN	GLE 9	3.4 Di	EG
	SPE	CTRAL	BAND	4-18 T	0 4.9	7 MICR	ONS	ELEV	ATION	16.1	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.97	1.17	0.	0.99	0.94	0.
130	A	0.	0.	0.	1.07	1.55	1.17	1.00	0.99	1.45	0.
	L	0.	0.	0.	1.07	1.21	0.	1.00	0.	1.11	0.
	R	0.	0.	0.	0.	1.03	0.99	0.	1.04	1.23	0.
140	A	0.	0.	0.	1.10	1.03	0.99	1.06	1.04	1-64	0.
	L	0.	0.	0.	1.10	0.	0.	1.06	0.	1.08	0.
	R	0.	0.	0.	0.	1.02	1.03	0.	1.06	1-09	0.
150	A	0.	0.	0.	1.09	1.47	1.47	0.98	1.06	1.58	0.
	L	0.	0.	0.	1.09	1.05	1.05	0.98	0.	1.14	0.
	R	0.	0.	0.	0.	1.08	1.01	0.	0.	0.99	0.
160	A	0.	0.	0.	1.03	1.54	1.50	1.00	0.	1-47	0.
	L	0.	0.	0.	1.03	1.10	1.10	1.00	0.	1.09	0.
	R	0.	0.	0.	1.07	1.02	1.01	0.	0.	1.09	0.
170	A	0.	0.	0.	1.56	1.43	1.48	1.01	0.	1.56	0.
	L	0.	0.	0.	1.14	1.00	1.08	1.01	0.	1.31	0.
	R	0.	0.	0.	1.06	0.98	0.90	0.	0.	1.11	0.
180	A	0.	0.	0.	1.52	1.43	0.90	0.	0.	1.61	0.
	L	0.	0.	0.	1.10	1.04	0.	0.	0.	1.16	0.
						TTC 05		CM 05	n ctco	A D. T. A.N.	

TABLE 9 CONT.

IJ	FILTE	R 9	AT 2	345 AS	T		IN	SOL AN	GLE 9	3.4 DE	G
	SPECT	RAL	BAND	4.18 T	0 4.9	7 MICR	ONS	ELEV	ATION	16-1	KM
	VA SA	0	10	20	30	40	50	60	70	80	90
	0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0-
F	10	0.	0.	0.	0.	0.	0.	0.	225.	60.	0.
	20	0.	0.	0.	0.	0.	0.	0.	360.	60.	0.
П	30	0.	0.	0.	0.	0.	0.	0.	240.	30.	.0.
	40	0•	0.	0.	0.	0.	0.	0.	225.	150.	0.
	50	0-	0.	0.	60.	0.	0.	0.	.90•	120.	0.
1 i	60	0.	0.	0.	525.	0.	0.	375.	150.	180.	0.
B registration (70	0.	0.	0.	270.	165.	30.	180.	195.	120.	0.
ì	80	0.	.0.	0.	330.	105.	30.	330.	225.	135.	0.
	90	0.	0.	0.	285.	75.	30.	240.	135.	180.	0.
	100	0.	0.	0.	330.	165.	75.	300.	105.	150.	0.
	110	0.	0.	0.	390•	135.	45.	315.	135.	210.	0.
	120	0.	0.	0.	600.	240.	165.	240.	180.	240.	0.
Paramida, si	130	0.	0.	0.	0.	930.	495.	420-	120-	180.	ó•
	140	0.	0.	0.	0.	0.	0.	330-	105.	225.	. 0.
	150	0.	0.	0.	0.	0.	0.	120.	0.	285.	0.
f?	160	0.	0.	0.	0.	0.	0.	0.	0.	645.	0,-
	170	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	180	0.	0.	0.	0-	0.	0.	. 0.	0.	0.	0.
	RADIANCE	VAL	UES AR	EINM	ICROWA	TTS PE	R SQ.	CM. PE	R STER	ADIAN.	•

TABLE 10

	FIL	TER	9 AT	2345	AST		I	NSOL A	NGLE	93.4 DI	EG
	SPE	CTRAL	BAND	4.18	TO 4.9	97 MICI	RONS	ELE	/AT ION	16.1	KM
SA	VA L	0	10	20	30	40	50	60	70	80	90
C)	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10)	0.	0.	0.	0.	0.	0.	0.	26.05	25.37	0.
20)	0.	0.	0.	0.	0.	0.	0.	26.02	25.71	0.
30)	0.	0.	0.	0.	0.	0•	0.	25.89	25.73	0.
40)	0.	0.	0.	0.	0.	0.	0.	25.81	26.13	0.
50	5	0.	0.	0.	26.01	0.	0.	0.	25.77	26.90	0.
60)	0.	0.	0.	25.86	0.	0.	26.85	25.72	26.39	0.
70)	0.	0.	0.	25.81	25.38	25.52	26.84	27.08	27.04	0.
80)	0.	0.	0.	25.84	25.57	25.72	26.88	27.27	26.52	0.
90)	0.	0.	0.	25.71	25.85	25.87	26.55	27.18	26.36	0.
100)	0.	0.	0.	25.46	25.62	25.62	26.38	26.64	26.68	0.
110)	0.	0.	0.	25.69	25.64	25.68	26.37	26.88	26.62	0.
120).	0.	0.	0.	25.58	26.66	26.54	26.45	27.01	26.61	0.
130		0.	0.	0.	Q.	26.23	26.15	26.51	26.94	26.97	0.
140)	0.	0.	0.	0.	0.	0.	27.54	26.79	27.17	0•.
150)	0.	0.	0.	0.	0.	0.	27.41	0.	26.87	0.
160)	0.	0.	0.	0.	0.	0.	0.	0 ၅	26.94	0.
170)	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
180)	0.	0.	0.	0.	0.	0-	0.	0.	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

VIEWING ANGLE AND SCATTERING ANGLE ARE IN DEGREES.

	FILTE	ER 9	AT 23	345 AS1	7		INS	SOL AN	GLE 9	3.4 DE	G
	SPECT	TRAL 6	BAND 4	-18 T	4.9	7 MICRI	DNS	ELEV	ATION	16-1	KM
SA		0	10	20	30	40	50	60	70	80	90
() .	0.	0.	0.	0.	0.	0.	0.	0.	0.
10) () .	0.	0.	0.	0.	0.	0.	1.04	1.16	0.
20) () .	0-	0.	0.	0.	0.	0.	1.08	1.26	0.
3() (٥.	0.	0.	0.	0.	0.	0.	1.20	1.35	0.
4() () .	0.	0.	0.	0.	0.	0.	1.06	1.12	0.
5() () .	0.	0.	1.01	0.	0.	0.	1.19	1.18	0.
60	. () -	0.	0.	1.10	0.	0.	1.02	1.13	1.08	0.
70) . (0.	0.	0.	1.04	1.11	1.06	1.07	1-11	1.15	0.
80) () .	0.	0.	1.06	1.06	1.03	1.00	1.01	1.16	0.
90	•	٠.	0.	0.	1-11	0.98	0.99	1.06	1.03	1.13	0.
100) () .	0.	0.	1.10	1.10	1.12	1.06	1.02	1.22	0.
110) (٠.	0.	0.	1.07	1.12	1.11	1.06	1.02	1.18	0.
120	, () .	0.	0.	1.11	1.33	1.37	0.99	1.04	1.07	0.
130) (٠.	0.	0.	0.	1.14	1.17	1.09	1.06	1.15	0.
140) () .	0.	0.	0.	0.	0.	0.99	1.06	1.14	0.
150) () .	0.	0.	0.	0.	0.	1.00	0.	1.18	0.
160) () .	0.	0.	0.	0.	0.	0.	0.	1.12	0.
170) () .	0.	0.	0.	0.	0.	0.	0.	0.	0.
180) ().	0.	0.	0.	0.	0.	0.	0.	0-	0.
RAD	IANCE	VALU	IES ARE	IN MI	CROWAT	TS PER	sq. c	M. PER	STER	ADIAN.	

I

Promiser: 5

TABLE 12

VIEWING ANGLE AND SCATTERING ANGLE ARE IN DEGREES.

FILTER	8 AT	2351 AST		INSOL ANGLE	93.4 DI	EG
SPECTRAL	BAND	3.42 TO	4.81 MICRONS	ELEVATION	17.4	KM

SA	/A	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0,	A	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.	15.	90.	0.
10	A	0.	0.	0.	0.	0.	0.	0.	8.	45.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.	75.	75.	0.
20	A	0.	0.	0.	0.	0.	0.	0.	38.	38.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.	90.	120.	0.
30	A	0.	0.	0.	0.	0.	0.	0.	45.	60。	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.	105。	15.	0.
40	A	0.	0.	0.	0.	0.	0.	0.	53.	8.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.	75.	105.	0.
50	A	0.	0.	0.	0.	0.	0.	0.	38.	53.	0.
	L	0.	0.	0.	0-	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.	90.	45。	0.
60	A	0.	0.	0.	0.	0.	0.	0.	45.	23。	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

:	SPEC	TRAL	BAND	3.42 T	0 4.8	1 MICR	ONS	ELEV	ATION	17.4	KM
SA	VA	0	10	20	30	40	50	60	70	80	9
	R	0.	0.	0.	0.	0.	0.	0.	0.	0-	
70	A	0.	0.	0.	0.	0.	0.	0.	0.	0.	
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	
	R	0.	0.	0.	0.	0.	0.	0.	0.	0.	
80	A	0.	0.	0.	0.	0.	0.	0.	0.	0.	
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	
	R	0.	0.	0.	0.	0.	0.	0.	0.	0.	
90	A	0.	0.	0.	0.	0.	0.	0.	0.	0.	
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	
	R	0.	0.	0.	0.	0.	0.	0.	0.	0.	
100	A	0.	0.	0.	0.	0.	0.	0.	0.	0.	
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	
	R	0.	0.	0.	0.	0.	0.	0.	0.	0.	
110	A	0.	0.	0.	0.	0.	•0•	0.	0.	0.	
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	
	R	0.	0.	0.	0.	0.	0.	0.	0.	0.	
120	A	0.	0.	0.	0.	0.	0.	0.	0.	0.	
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	

TABLE 13 CONT.

FILTER 8 AT	2351 AST		INSOL ANGLE	93.4 D	EG
SPECTRAL BAND	3.42 TO	4.81 MICRONS	ELEVATIO	N 17.4	KM

SA	/A	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
130	Ā	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0-	0.	0.	0.	0.	0.
140	A	0.	0.	0.	. 0.	0.	0.	0.	0.	0.	0.
	L	0.	0.	. 0.	0.	0.	0.	0.	0.	0-	0.
	R	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
150	A	0.	0.	0.	0.	0.	0.	0.	0-	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
160	A	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	L	0 0	0.	0.	· O •	0.	0.	0.0	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
170	A	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	. 0 .	0.	0.	0.
180	A	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	L .	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

TABLE 13 CONT.

	- 14	750						****			
0		TER CTRAI	8 AT BAND	2351 A		81 MIC	RONS		NGLE S		EG KM
I	VA Sa	o	10	20	30	40	50	60	70	80	90
I	R	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
•	0 A	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
I	R	0.	0.	0.	0.	0.	oʻ-	0.	14.52	14.34	0.
	10 A	0.	0.	0.	0.	0.	0.	0.	14.52	14.34	0-
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
π	R	0.	0.	0.	0.	0.	0.	0.	16.19	16.58	0.
Π	20 A	0.	0.	0.	0.	0.	0.	0.	16.19	16.58	0-
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0-
	R	0.	0.	0.	0.	0.	0.	0.	21.61	22.80	0.
	30 A	0.	0.	0.	0.	0.	0.	0.	21.61	22.80	0.
17	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0-
	R	0.	0.	0.	0.	0.	0.	0.	15.29	16.30	0.
	40 A	0.	0.	0.	0.	0.	0.	0.	15.29	16.30	0-
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0. •	0.	0.	0.	0.	0.	0.	14.72	14.58	0-
	50 A	0.	0.	0.	0.	0.	0.	0.	14.72	14.58	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0-
1	R	0.	0.	0.	0.	0.	0.	0.	14.48	14-29	0.
E	60 A	0.	0.	0.	0.	0.	0.	0.	14.48	14-29	0.
I	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	RADIAN	CE VA	LUES A	RE IN	MICROW	ATTS P	ER SQ	. CM. I	PER STE	RADIAN.	•
		VIE	ING AN	GLE AN	D SUN	AZ I NUT	H ARE	IN DE	GREES.		

	FIL	TER	8 AT	2351 #	IST			INSOL	ANGLE	93.4 D	EG
	SPE	CTRAL	BAND	3.42	TO 4.	81 MIC	RONS	EL	EVATIO	N 17-4	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
3A			_	_		_	_		_		_
	R	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
70	A	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
80	A	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90	A	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
100	A	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
110	A	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.0	0.	0.	0.	0.	0.	0.	0.	0.
120	A	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

TABLE 14 CONT.

	FIL	TER	B AT	2351 A	ST			INSOL	ANGLE	93.4 D	EG
	SPE	CTRAL	BAND	3.42	TO 4.	81 MIC	RONS	EL	EVATIO	N 17.4	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
Jr											
	R	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
130	A	0.	0.	0.	0.	0-	0.	0.	0.	0.	0.
	L	0.	0.	0.	0.	0-	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
140	A	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	Ł	0.	0.	0.	0.	0.	0.	0.	0.	0.	0-
	R	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
150	A	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
160) A	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
170	A	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.	0.	0.	.0.
180) A	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	L	0.	0.	0-	0.	0.	0.	0.	0.	0.	0.

TABLE 14 CONT.

	FIL	TER 8	AT	2351 AS	T			INSOL AN	GLE 9	3.4 D	EG
	SPE	CTRAL	BAND	3.42 T	0 4.	81 MIC	RONS	ELEV	ATION	17.4	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
C	A	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0-	0.	0.	0.	1.06	1.18	0.
10	A	0.	0.	0.	0.	0.	0.	0.	1.06	1.18	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0-
	R	0.	0.	0.	0.	0.	0.	0.	1.56	1.53	0.
20	A	0.	0.	0.	0.	0.	0.	0.	1.56	1.53	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.	2.44	2.26	0.
30	A	0.	0.	0.	0.	0.	0.	0.	2.44	2.26	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.	1.85	0.85	0.
40	A	0.	0.	0.	0.	0.	0.	0 .	1.85	0.85	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.	1.08	1.08	0.
50	A	0.	0.	0.	0-	0.	0.	0.	1.08	1.08	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.	1.08	1.00	0.
60	A	0.	0.	0.	0.	0.	0.	0.	1.08	1.00	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

SPECTRAL BAND 3.42 TO 4.81 MICRONS ELEVATION 17.4	90 0. 0. 0. 0.
R 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	0. 0. 0.
TO A O.	0. 0. 0.
L 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	0. 0. 0.
R O.	0. 0.
80 A O.	0.
80 A 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	0.
R 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	
90 A 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	0.
L 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	
R 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	0-
R 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	0.
	0.
	0.
L 0. 0. 0. 0. 0. 0. 0. 0.	0.
R 0. 0. 0. 0. 0. 0. 0. 0.	0.
110 A 0. 0. 0. 0. 0. 0. 0. 0. 0.	0.
L 0. 0. 0. 0. 0. 0. 0. 0.	0.
R O. O. O. O. O. O. O. O.	0.
120 A 0. 0. 0. 0. 0. 0. 0. 0.	0.
L 0. 0. 0. 0. 0. 0. 0. 0.	0.

TABLE 15 CONT.

	FIL	TER 8	AT 2	INSOL AN	IGLE	93.4 D	EG				
	SPECTRAL BAND 3.42 TO 4.81 MICRO							ELEV	N 17.4	KM	
SA	VA	0	10	20	30	40	50	60	70	80	90
34											
	R	0.	0.	0.	0-	0.	0.	0.	0.	0.	0-
130	A	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
140	A	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
150	A	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	L	٥.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
160	A	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0 •	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
170	A	0.	0.	0.	0.	0.	0.	0.	0-	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
180	A	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TABLE 15 CONT.

FILTER 8 AT 2351 AST INSOL ANGLE 93.4 DEG											
	SPECTI	RAL BAP	ND 3.4	42 TO	4.81	MICRO	NS	ELEVA	TION :	17.4	KM
I	VA (0 10) 2(0 30	0 4	•0	50	60	70	80	90
	0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
Ľ	10	0.	0.	0.	0.	0.	0.	0-	0.	30.	0.
	20	0.	0.	0.	0.	0.	0.	0.	75.	120.	0.
	30	0.	0.	0.	0.	0.	0.	0.	90.	120.	0.
	40	0.	0.	0.	0.	0.	0.	0.	90.	30.	0.
	50	0.	0.	0.	0.	0.	0.	0.	90.	105.	0.
П	60	0.	0.	0.	0.	0.	0.	0.	105.	45.	0.
	70	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	80	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	90	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	100	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
[]	110	0.	0.	0.	0.	0-	0.	0.	0.	0.	0.
in the second se	120	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
Transport (T	130	0-	0.	0.	0.	0.	0.	0.	0.	0.	0.
	140	0.	0.	0.	0.	0.	0.	0-	0.	0.	0.
The second	150	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
E	160	0.	0.	0-	0.	0.	0.	0.	0.	0.	0.
	170	0.	0.	0.	0.	0-	0.	0.	0.	0.	0.
1	180	0.	0.	0.	0-	0.	0.	0.	0.	0.	0.
-	RADIANCE	VALUES	S ARE	IN MIC	ROWATT	S PER	sq. (M. PER	STER	ADIAN.	•

TABLE 16

	FILTER	8 AT	2351 4	ST			INSOL	ANGLE	93.4 DI	EG
	SPECTRAL	BAND	3-42	TO 4.	.81 MIC	RONS	EL	EVATION	17.4	KM
SA	VA O	10	20	30	40	50	60	70	80	90
0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.	0.	0.	14.06	0.
20	0.	0.	0.	0.	0.	0.	0.	15.58	15.34	0.
30	0.	0.	0.	0.	0.	0.	0.	20.96	22.58	0.
40	0.	0.	0.	0.	0.	0.	0,•	16.73	18.07	0.
50	0.	0.	0.	0.	0.	0.	0.	14.54	14.58	0.
60	0.	0.	0.	0.	0-	0.	0.	14.48	14.29	0.
70	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
80	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
100	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
110	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
120	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
130	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
140	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
150	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
160	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
170	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
180	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TABLE 17

U	FIL	TER	8 AT :	2351 A	ST		1	NSOL A	NGLE 9	3.4 DE	EG
	SPE	CTRAL	BAND	3.42	TO 4.	81 MIC	RONS	ELE	MOITAV	17.4	KM
	VA SA	0	10	20	30	40	50	60	70	80	90
	0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
П	10	0.	0.	0.	0.	0.	0.	0.	0.	1.09	0.
II	20	0.	0.	0.	0.	0.	0.	0.	1.50	1.56	0.
	30	0.	0.	0.	0.	0.	0.	0.	2.88	2.60	0.
	40	0.	0.	0.	0-	0.	0.	0.	2.75	2.00	0.
	50	0.	0.	0.	0.	0.	0.	0.	1.13	1-08	0.
	60	0.	0.	0.	0.	0.	0.	0.	1.07	1.00	0.
1	70	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	80	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	90	0.	0.	0.	0.	0.	0.	0.	0	0.	0.
Ī	100	0.	0-	0.	0.	0.	0.	0.	0.	0.	0.
11	110	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	120	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	130	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	140	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	150	0.	0.	0.	0.	0.	0.	0.	0.	0.	0-
T			0.								0.
	170								0.		
I	180								0.		
_	RADIAN	CE VA	LUES AF	CE IN	MICROW	ATTS P	ER SQ.	CM. P	ER STER	ADIAN.	,

TABLE 18

VIEWING ANGLE AND SCATTERING ANGLE ARE IN DEGREES.

FILTER 6 AT 0000 AST INSOL ANGLE 93.5 DEG

SPECTRAL BAND 2.50 TO 2.78 MICRONS ELEVATION 19.3 KM

VA Sa	0	10	20	30	40	50	60	70	80	90
R	0.	0.	0.	90.	0.	0.	0.	0.	0.	0.
0 A	0.	0.	0.	90-	0.	0.	0-	0.	0.	0.
L	0.	0.	0.	90.	0.	0.	0.	0.	0.	0.
R	0.	0.	0.	120.	0.	0.	0.	0.	0.	0.
10 A	0.	0-	0.	113.	0.	0.	0.	0.	0.	0.
L	0.	0.	0.	105.	0.	0.	0.	0.	0.	0.
R	0.	0.	0.	165.	0.	0.	0.	0.	0.	0.
20 A	0.	0.	0.	90.	0.	0.	0.	0.	0.	0.
L	0.	0.	0.	15.	0.	0.	0.	0.	0.	0.
R	0.	0.	0.	165.	0.	0.	0.0	75。	0.	0.
30 A	0.	0.	0.	83.	0.	0.	0.	38.	0.	0.
L	0.	0.	0.	0.	0.	0.	0。	0.	0.	0.
R	0.	0.	0.	180.	0.	0.	0.	210.	0.	0.
40 A	0.	0.	0.	90.	0.	0.	0.	105.	0.	0.
L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
R	0.	0.	0.	165.	0.	0.	0.	225。	0.	0.
50 A	0.	0.	0.	83.	0.	0.	0.	113.	0.	0.
L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
R	0.	0.	0.	150.	0.	0.	0.	255。	0.	0.
60 A	0.	0.	0.	75.	0.	0.	0.	128.	0.	0.
L	0.	0.	0.	٥.	0.	0.	0.	0.	0.	0.
RADIANCE	VAL	UES ARE	IN M	ICROWA	TTS PER	sq.	CM. PEI	R STER	ADIAN.	

TABLE 19

П	FILTE	R 6	AT 00	00 A:	S.T		TN	ISOI AN	GIF 9	13_5 N	FG
I			BAND 2								KM
	VA SA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	150.	0.	0.	0.	225.	0.	0.
	70 A	0.	0.	0.	75.	0.	8.	0.	113.	0.	0.
	L	0.	0.	0-	0.	0.	15.	0.	0.	0.	0.
	R	0.	0.	0.	180.	0.	0.	0.	240.	0.	0.
	80 A	0.	0.	0.	90.	0.	30.	0.	120.	0.	0.
	L	0.	0.	0.	0.	0.	59.	0.	0-	0.	0.
П	R	0.	0.	0.	180.	0.	0.	0.	270.	0.	0.
	90 A	0-	0.	0.	90.	0.	65.	0.	135.	0.	0.
	L	0.	0.	0.	0.	0.	130.	0.	0.	0.	0.
	R	0.	0.	0.	105.	0.	0.	0.	240.	0.	0.
	100 A	0.	0.	0-	53.	0.	80.	0.	120.	0.	0.
7	L	0.	0.	0.	0.	0.	160.	0.	0.	0.	0.
11	R	0.	0.	0-	120.		0.	0.		0.	0.
	110 A	0.	0.	0.	60.		82.		98.	0.	0.
	L	0.	0.	0.	0.	0.	164.		0.	0.	0.
U	R	0.	0.	45.			0.	0.		0.	0.
	120 A L	0.	o. o.	23.	45.		80.		113.	0.	0.
_	RADIANCE	O.								0. ADIAN.	0.
	************							· L			•

TABLE 19 CONT.

FILT	FILTER 6 AT 0000 AST INSOL ANGLE 93.5 DEG SPECTRAL BAND 2.50 TO 2.78 MICRONS ELEVATION 19.3 KM												
SPEC	TRAL	BAND 2	.50 T	0 2.7	8 MICR	ONS	ELEV	ATION	19.3	KM			
VA SA	0	10	20	30	40	50	60	70	80	90			
R	0.	0.	0.	165.	0.	82.	0.	240.	0.	0.			
130 A	0.	0.	0.	83.	0.	131.	0.	120.	0.	0.			
L	0.	0.	0.	0-	0.	179.	0.	0.	0.	0.			
R	0.	0.	0.	150.	0.	150.	0.	75.	0-	0.			
140 A	0.	0.	0.	75.	0.	184.	0.	38.	0.	0.			
L	0.	0.	0.	0.	0.	218.	0.	0.	0.	0.			
R	0.	0.	0.	120.	0.	283.	0.	0.	0-	0.			
150 A	0.	0.	0.	60.	0.	220.	0.	0.	0.	0.			
L	0.	0.	0.	0.	0.	156。	0.	0.	0.	0.			
R	0.	0.	0.	148.	0.	163.	0.	0.	0.	0.			
160 A	0.	0.	0.	74.	0.	154.	0.	0.	0.	0.			
L	0.	0.	0.	0.	0.	145。	0.	0.	0.	0.			
R	0.	0.	0.	0.	0.	151.	0.	0.	0.	0.			
170 A	0.	0.	0.	0.	0.	168.	0.	0.	0.	0.			
L	0.	0.	0.	0.	0.	184.	0-	0.	0.	0.			
R	0.	0.	0.	0.	0.	103.	0.	0.	0.	0.			
180 A	0.	0.	0.	0.	0.	128.	0.	0.	0.	0.			
L	0.	0.	0.	0.	0.	153.	0.	0.	0.	0.			
RADIANC	E VAL	UES ARE	IN M	ICROWA	TTS PE	R SQ.	CM. PE	R STER	ADIAN	•			

TABLE 19 CONT.

F	: IL	TER 6	S AT	0000 A	S T			INSOL A	NGLE 9	3.5 D	EG
5	SPE	CTRAL	BAND	2.50	ro 2.7	8 MIC	RONS	ELE	VATION	19.3	KM
SA	/A	o	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.30	0.	0.	0.	0-	0.	0.
0	A	0.	0.	0.	0.26	0.	0.	0.	0.	0.	0.
	L	0.	0.	0.	0.23	0.	0.	0.	0.	0.	0-
	R	0.	0.	0.	0.33	0.	0.	0.	0.	0.	0.
10	A	0.	0.	0.	0.26	0.	0.	0.	0.	0.	0.
	L	0.	0.	0.	0.19	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.36	0.	0.	0.	0.	0.	0.
20	A	0.	0.	0.	0.35	0.	0.	0.	0.	0.	0.
	L	0.	0.	0.	0.24	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.39	0.	0.	0.	1.40	0.	0.
30	A	0.	0.	0.	0.39	0.	0.	0.	1.40	0.	0.
	L	0.	0.	0.	0.	0-	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.36	0.	0.	0.	1.02	0-	0.
40	A	0.	0.	0.	0.36	0.	0.	0.	1.02	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.30	0.	0.	0.	0.72	0.	0.
50	A	0.	0.	0.	0.30	0.	0.	0.	0.72	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.25	0.	0.	0.	0.66	0.	0.
60	A	0.	0.	0.	0.25	0.	0.	0.	0.66	0.	0.
	L	0.	0.	0-	0.	0.	0.	0.	0.	0.	0.
ADI	AN	CE VAL	UES A	RE IN	HICROWA	TTS P	ER SC). CM. P	ER STER	ADIAN	•
		VIEW	ING AN	IGLE ANI	SUN A	ZINUT	H ARE	IN DEG	REES.		

TABLE 20

l	FIL	TER 6	AT C	000 AS	T		IN	SOL AN	IGLE 9	3.5 D	EG
	SPE	CTRAL	BAND	2.50 T	0 2.7	8 MICE	RONS	ELEV	ATION	19.3	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.35	0.	0.	0.	0.57	0.	0.
70	A	0.	0.	0.	0.35	0.	0.19	0.	0.57	0.	0.
	L	0.	0.	0.	0.	0.	0.19	0.	0.	0.	0-
	R	0.	0.	0.	0.26	0.	0.	0.	0.25	0.	0.
80	A	0.	0.	0.	0.26	0.	0.32	0.	0.25	0.	0.
	L	0.	0.	0.	0.	0.	0.32	0.	0.	0.	0.
	R	0.	0.	0.	0.15	0.	0.	0.	0.26	0.	0.
90	A	0.	0.	0.	0.15	0.	0.43	0.	0.26	0.	0.
	L	0.	0.	0.	0.	0.	0.43	0.	0.	0.	0.
	R	0.	0.	0.	0.15	0.	0.	0.	0.27	0.	0.
100	A	0.	0.	0.	0.15	0.	0.28	0.	0.27	0.	0.
	L	0.	0.	0.	0.	0.	0.28	0.	0.	0.	0.
	R	0.	0.	0.	0.13	0.	0.	0.	0.23	0.	0.
110	A	0.	0.	0.	0.13	0.	0.19	0.	0.23	0.	0.
	L	0.	0.	0.	0 °	0.	0.19	0.	0.	0.	0.
	R	0.	0.	0.21	0.15	0.	0.	0.	0.13	0.	0.
120	A	0.	0.	0.21	0.15	0.	0.21	0.	0.13	0.	0.
	L	0.	0.	0.	0.	0.	0.21	0.	0.	0.	0.

TABLE 20 CONT.

IR MEAN RADIANCE AS A FUNCTION OF SUN AZIMUTH

f	· IL	TER 6	AT	0000 A	ST		IN	SOL A	NGLE 9	3.5 D	EG
\$	SPE	CTRAL	BAND	2.50	TO 2.7	8 MIC	RONS	ELE	MOITAV	19.3	KM
SA	/A	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.17	0.	0-28	0.	0.15	0.	0.
130	A	0.	0.	0.	0.17	0.	0.27	0.	0.15	0.	0.
	L	0.	0.	0.	0.	0.	0.26	0.	0.	0.	0.
	R	0.	0.	0.	0.24	0.	0.25	0.	0-16	0.	0.
140	A	0.	0.	0.	0.24	0.	0.24	0.	0-16	0.	0.
	L	0.	0.	0.	0.	0.	0.23	0.	0.	0.	0.
	R	0.	0-	0.	0.19	0.	0.17	0.	0.	0.	0.
150	A	0.	0.	0.	0.19	0.	0.21	0.	0.	0.	0.
	L	0.	0.	0.	0.	0-	0.27	0.	0.	0.	0.
	R	0.	0.	0.	0.26	0.	0.22	0.	0.	0.	0.
160	A	0.	0.	0.	0.26	0.	0.23	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.24	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.29	0.	0.	0.	0.
170	A	0.	0.	0.	0.	0.	0.28	0.	0.	0.	0.
	L	0.	0.	0.	0-	0.	0.28	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.28	0.	0.	0.	0-
180	A	0.	0.	0.	0.	0.	0.28	0.	0.	0.	0.
	L	0.	0.	0.	0-	0.	0.27	0.	0.	0.	0.

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RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

TABLE 20 CONT.

(FIL	TER 6	AT	0000 AS	T			INSOL AN	IGLE 9	3.5 D	EG
;	SPE	CTRAL	BAND	2.50 1	0 2.7	8 MIC	RONS	ELEV	ATION	19.3	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.16	0.	0.	0.	0.	0.	0.
0	A	0.	0.	0.	0.23	0.	0.	0.	0.	0.	0.
	L	0.	0.	0.	0.16	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.19	0.	0.	0.	0.	0.	0.
10	A	0.	0.	0.	0.23	0.	0.	0.	0.	0.	0.
	Ł	0.	0.	0.	0.12	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.17	0.	0.0	0.	0.	0.	0.
20	A	0.	0.	0.	0.21	0.	0.	0.	0.	0.	0.
	L	0.	0.	0.	0.12	0.	0.	0.	0.0	0.	0.
	R	0.	0.	0.	0.17	0.	0.	0.	0.22	0.	0.
30	A	0.	0.	0.	0.17	0.	0.	0.	0.22	0.	0.
	Ł	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.19	0.	0.	0.	0.23	0.	0.
40	A	0.	0.	0.	0.19	0.	0.	0.	0.23	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.16	0.	0.	0.	0.19	0.	0.
50	A	0.	0.	0.	0.16	0.	0。	0.	0.19	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.16	0.	0.	0.	0.18	0.	0.
60	A	0.	0.	0.	0.16	0.	0.	0.	0.18	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

	FIL	TER	6 AT	000 0 A S	T		IN	เรกเ	ANGLE 9	3.5 [NEG.
			L BAND	2.50 T			CRONS		EVATION		KM
Π	VA SA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.18	0.	0.	0.	0.22	0.	0.
	70 A	0.	0.	0.	0.18	0.	0.20	0.	0.22	0.	0.
	L	0.	0.	0.	0.	0.	0.20	0.	0.	0.	0.
	R	0.	0.	0-	0.16	0.	0.	0.	0.16	0.	0.
	80 A	0-	0.	0.	0.16	0.	0.16	0.	0-16	0.	0.
	L	0.	0.	0.	0.	0.	0.16	0.	0.	0.	0.
()	R	0.	0.	0.	0.12	0.	0.	0.	0.16	0.	0.
	90 A	0.	0.	0.	0.12	0.	0.15	0.	0.16	0.	0.
	L	0.	0.	0.	0.	0.	0.15	0.	0.	0.	0.
	R	0.	0.	0.	0.11	0-	0.	0.	0.16	0.	0.
	100 A	0.	0.	0.	0.11	0.	0.18	0.	0.16	0.	0-
13	L	0.	0.	0.	0.	0.	0.18	0.	0.	0.	0.
	R	0.	0.	0.	0.10	0.	0.	0.	0-17	0.	0.
- Control of the Cont	110 A	0.	0.	0.	0.10	0.	0.16	0.	0.17	0.	0.
	L	0.	0.	0.	0.	0.	0.16	0.	0.	0.	0.
	R	0.	0.	0.14	0.11	0.	0.	0.	0.10	0.	0.
[î	120 A	0.	0.	0.14	0.11	0.	0.19	0.	0.10	0.	0.
	L	0.	0.	0.	0.	0-	0.19	0.	0.	0.	0.
I	RADIAN	CE V	ALUES A	RE IN M	ICROWA	TTS	PER SQ.	CM.	PER STER	ADIAN	١.

TABLE 21 CONT.

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

	FILT	TER 6	AT 00	000 AS	r		INS	SOL AND	GLE 93	.5 DE(3
	SPEC	TRAL E	BAND 2	2.50 TO	2.78	MICRO	ONS	ELEV	ATION 1	19.3 H	CM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.14	0.	0.19	0.	0.10	0.	0.
130	A	0.	0.	0.	0.14	0.	0.26	0.	0.10	0.	0.
	L	0.	0.	0.	0.	0.	0.18	0.	0.	0.	0.
	R	0.	0.	0.	0.15	0.	0.19	0.	0.11	0.	0.
140	A	0.	0.	0.	0.15	0.	0.26	0.	0.11	0.	0.
	L	0.	0.	0.	0.	0.	0.18	0.	0.	0.	0.
	R	0.	0.	0.	0.15	0.	0.14	0.	0.	0.	0.
150	A	0.	0.	0.	0.15	0.	0.27	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.23	0.	0.	0.	0.
	R	0.	0.	0.	0.17	0.	0.18	0.	0.	0.	0.
160	A	0.	0 0	0.	0.17	0.	0.27	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.20	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.19	0.	0.	0.	0.
170	A	0.	0.	0.	0.	0.	0.30	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.23	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.21	0.	0.	0.	0.
180	A	0.	0.	0.	0.	0.	0.28	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.19	0.	0.	0.	0.

TABLE 21 CONT.

IR NUMBER OF OBSERVATIONS AS A FUNCTION OF SCATTERING ANGLE

FILTER 6 AT 0000 AST INSOL ANGLE 93.5 DEG SPECTRAL BAND 2.50 TO 2.78 MICRONS ELEVATION 19.3 KM 20 VA 0 10 50 70 80 30 40 60 90 SA 0 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 10 0. 0. 0. 0. 0. ۵ ٥ 0. 0. 0. 0. 20 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 30 0. 0. 0. 0. 0. 0. 0. 45. 0. 0. 40 0. 0. 0. 0. 0. 0. 0. 210. 0. 0. K 50 0. 0. 0. 0. 0. 255. 0. 0. 0。 0. 60 0. 0. 0. 750. 0. 255. 0. 0. 0. 0. 70 0. 0. 0. **450**。 0. 15. 0. 225. 0.0 0. 80 0. 0. 0. 390. 59。 0. 270. 0. 0. 0. 90 0. 0. 0. 300. 202. 0. 270. 0. 0. 0. 100 0. 0. 45. 315. 0. 222. 0。225。 0. 0. 110 0.0 0. 0. 448. 0. 203. 0。 225。 0. 0. 120 0. 0. 528_° 0. 240. 0. 0. 0。 0. 0. 130 0. 0. 225. 0. 0. 0. 0. 842. 0。 0. 140 0. 0. 583。 0. 30. 0。 0. 0. 0. 0. CALCASE P 150 0。 0. 0. 0. 0. 0. 0. 0. 0. 0. 160 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 170 0. 0. 0. 0. 0. 0. 0。 0. 0. 0. 180 0. 0. 0. 0. 0. 0。 0。 0. 0. 0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

	FILTER	6 AT	0000 A	ST		IN	SOL	ANGLE	93.5 D	EG
	SPECTRA	L BAND	2.50	TO 2.7	8 MI(CRONS	EL	EVATION	19.3	КН
	VA O	10	20	30	40	50	60	70	80	90
SA										
0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0-
20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.	0.	1.42	0.	0.
40	0.	0.	0.	0.	0.	0.	0.	1.09	0.	0-
50	0.	0.	0.	0.	0.	0.	0.	0.73	0.0	0-
60	0.	0.	0.	0.31	0.	0.	0.	0.66	0.	0.
70	0.	0.	0.	0.31	0.	0.19	0.	0.57	0.	0.
80	0.	0.	0.	0.29	0.	0.32	0.	0.25	0.	0.
90	0.	0.	0.	0.15	0.	0.40	0.	0.26	0.	0.
100	0.	0.	0.21	0.15	0.	0.20	0.	0.27	0.	0.
110	0.	0.	0.	0.23	0.	0.22	0.	0.20	0.	0.
120	0.	0.	0.	0.	0.	0.25	0.	0.13	0.	0.
130	0.	0.	0.	0.	0.	0.22	0.	0.15	0.	0.
140	0.	0.	0.	0.0	0.	0.28	0.	0.19	0.	0.
150	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
160	0.	0.	0.	0.	0.	0.	0.	0-	0.	0.
170	0.	0.	0.	0.	0.	0.	0.	0•	0.	0.
180	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TABLE 23

				0000	_						
		TER CTRAI	6 AT	0000 AS 2.50 T		78 M I	CRONS		ANGLE 9	19.3	EG KM
E	VA	0	10	20	30	40	50	60	70	80	90
•	SA						20				70
I	0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
I	10	0.	0.	0.	0.	0.	0。	0.	0.	0.	0.
ı	20	0.	0.	0.	0。	0.	0.	0.	0.	0.	0.
I	30	0.	0.	0.	0.	0.	0.	0.	0.21	0.	0.
_	40	0.	0.	0.	0.	0.	0.	0.	0.25	0.	0.
I	50	0-	0.	0.	0.	0.	0.	0.	0.19	0.	0.
F	60	0.	0.	0.	0.18	0.	0.	0.	0.18	0.	0.
E	70	0.	0-	0.	0.17	0.	0.20	0.	0.22	0.	0.
	80	0.	0.	0.	0.18	0.	0.16	0 o	0.15	0.	0.
	90	0.	0.	0.	0.12	0.	0.16	0.	0.16	0.	0.
	100	0.	0.	0.14	0.12	0.	0.16	0.	0.16	0.	0.
17	110	0.	0.	0.	0.16	0.	0.19	0.	0.16	0.	0.
1 - constant	120	0.	0.	0.	0.	0.	0.18	0 °	0.10	0.	0.
Ex sales	130	0.	0.	0.	0.	0.	0.19	0.	0.11	0.	0.
Ľ	140	0.	0.	0.	0.	0.	0.20	0 .	0.11	0.	0.
I	150	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
_	160	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
I	170	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1	180	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	RADIAN	CE VA	LUES A	RE IN M	ICROWA	TTS	PER SQ.	CM.	PER STER	ADIAN	•

TABLE 24

VIEWING ANGLE AND SCATTERING ANGLE ARE IN DEGREES.

FILTER 5	AT 0004 AST		INSOL ANGLE	93.5 DEG
SPECTRAL B	AND 1.57 TO	2.98 MICRONS	ELEVATIO	N 20.2 KM

SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	75.	0.	0.	0.	0.	0.	0.
0	A	0.	0.	0.	53.	0.	0.	0.	0.	0.	0.
	L	0.	0.	0.	30.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	90.	0.	0.	0.	60.	0.	0.
10	A	0-	0.	0.	105.	0.	0.	0.	30.	0.	0.
	L	0.	0.	0.	120.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	135.	0.	0.	0.	195.	0.	0.
20	A	0.	0.	0.	120.	0.	0.	0.	98.	0.	0.
	L	0.	0.	0.	105.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	75.	0.	0.	٥.	195。	0.	0.
30	A	0.	0.	0.	90.	0.	0.	٥.	98.	0.	0.
	L	0.	0.	0.	105.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	180.	0.	0.	0.	240.	0.	0.
40	A	0.	0.	0.	143.	0.	0.	15.	128.	15.	0.
	L	0.	0.	0.	105.	0.	0.	30。	15.	30.	0.
	R	• 0.	0.	0.	165.	0.	0.	0.0	165.	0.	0.
50	A	0.	0.	0.	135.	0.	0.	128.	135.	60.	0.
	L	0.	0.	0.	105.	0.	0.	255。	105.	120.	0.
	R	0.	0.	0.	90.	0.	0.	0.	195.	0.	0.
60	A	0.	0.	0.	105.	0.	0.	113.	128.	53。	0.
	L	0.	0.	0.	120.	0.	0.	225.	60.	105。	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

 F	ILTE	R 5	AT 00	04 AS	T		IN	ISOL AN	GLE 9)3.5 DI	EG
S	PECT	RAL	BAND 1	.57 T	0 2.9	8 MICR	DNS	ELEV	ATION	20.2	KM
V SA	/A (D	10 2	20	30	40	50	60	70	80	90
	R	0.	0.	0.	45。	0.	0.	0 0	180.	0.	0.
70	A	0.	0.	0.	75.	0.	0.	105。	98.	68.	0.
	L	0.	0.	٥.	105.	0.	0 o	210.	15.	135.	0.
	R	0.	0.	0.	0.	0.	0.	0.	210.	0.	0.
80	A	0.	0.	0.	45。	0.	0.	105。	143.	75。	0.
	L	0.	0.	0.		0.	0.	210.	75.	150.	04
	R	0.	0.	0.		0.0		0 .	150.	0.	0.
90		0.	0.	0.	53.	180.	0.	128。	120.	38。	0.
	L	0.	0.	0.	105.		0.		90.		0.
	R	0.	0.	0.	0.	30.		0.	195.	0.	0.
100		0.	0.	0.	60.		0.				0.
	L	0.	0.	0.	120.	270。 60。	0.	255。 0。	75 °	75. 0.	0.
110	R	0.	0.	0.	38.	105.	0.		98.	90.	0.
	L	0.	0.	0.		150.	0.		15.		0.
	R	0.	0.	0.				0.			0.
120		0.	0.	0.	68.	135。	0.		90.		0.
	L	0.	0.	0.	135.	180.	0.	240 .	15.	165。	0.
RADI	ANCE	VAL	UES ARE	IN M	ICROWA	TTS PE	R SQ.	CM. PE	R STE	RADIAN	c

TABLE 25 CONT.

FILTER 5 AT 0004 AST

INSOL ANGLE 93.5 DEG

SPECTRAL BAND 1.57 TO 2.98 MICRONS ELEVATION 20.2 KM VA 0 10 20 30 40 50 70 60 80 90 SA 0. 0. 60. 0. 0. 0. 0. 165. 0. 0. 130 A 0. 0. 0. 60. 188. 0. 368. 90. 68。 0. L 0. 0. 0. 120. 315. 0. 735. 15. 135. 0. 0-0-0. 30. 0. 0. 165. 0. 0. 140 A 0. 0. 0. 68. 143. 0. 75. 83. 60. 0. 0. 0. 0. 135. 255. 0. 150. 0. 120. 0. 0. R 0. 0. 0. 105. 0. 0. 210. 0-0. 150 A 0. 0. 0. 53. 143。 0. 105. 0。 83. 0. Ł 0. 0. 0. 105. 180. 0. 0. 0. 165. 0. R 0. 0. 0. 0. 120. 0. 0. 195. 165. 0. 160 A 0. 120. 0. 0. 60. 0. 0. 105. 173. L 0. 0. 0. 120. 120-0. 0. 15. 180. 0. R 0. 0. 0. 0. 165. 15. 165. 0. 0. 0. 170 A 0. 0. 0. 68. 158. 0. 0. 30. 158. L 0. 0. 0. 135. 150. 0. 0 . 45. 150. 0. 0. 0. 0. 30. 60. R 0. 0. 0. 30. 0. 180 A 0. 0. 0. 8. 53。 38. 0. 0. 45. 0. 15. 75. 15. 60. Ł 0. 0. 0. 0. 0. 0.

TABLE 25 CONT.

RADIANCE VALUES ARE IN MICROHATTS PER SQ. CM. PER STERADIAN.

Tī					0004 AS				INSOL AN	IGLE 9	93.5 DI	
	S	SPEC	CTRAL	BAND	1.57	TO 2.9	B MI	CRONS	ELEV	ATION	20-2	KM
I	SA	/A	0	10	20	30	40	50	60	70	80	90
I		R	0.	0.	0.	4.94	0.	0.	0.	0.	0.	0.
1	0	A	0.	0.	0.	5.01	0.	0.	0.	0.	0.	0.
ı		L	0.	0.	0.	5.20	0.	0.	0.	0.	0.	0.
T		R	0.	0.	0.	4.94	0.	0.	0.	47.01	0.	0.
-	10	A	0.	0.	0.	5.32	0.	0.	0.	47.01	0.	0.
I		L	0.	0-	0.	5.61	0.	0.	0.	0.	0.	. 0.
Tī.		R	0.	0.	0.	4.81	0.	0.	0.	48.73	0.	0.
[]	20	A	0.	0.	0.	5.54	0.	0.	0.	48.73	0.	0.
		L	0.	0.	0.	6.49	0.	0.	0.	0.	0.	0.
		R	0.	0.	0.	•	0.	0.	0.	39.17	0.	0.
1	30	A	0.	0.	0.	5.	0.	0.	0.	39.17	0.	0.
5 7		L	0.	0.	0.	6.96	0.	0 0	0 。	0.	0.	0.
Tr. Import		R	0.	0.	0.	2.77	0.	0.	0.	21.00	0.	0.
I	40	A	0.	0.	0.	4.14	0.	0.	0.41	19.78	0.19	0.
3.		L	0.	0.	0.	6.50	0.	0.	0 - 41	0.24	0.19	0-
I		R	0.	0.	0.	0.55	0.	0.0	0.	13.27	0.	0.
•	50	A	0.	0.	0.	2.57	0.	0.	0.41	8.22	0.26	0.
		L	0.	0.	0-	5.74	0.	0.	0.41	0.28	0.26	0.
1		R	0.	0.	0.	0.63	0.	0.	0.	6.28	0.	0.
	60	A	0.	0.	0.	2.84	0.	0.	0.79	4.86	0.27	0.
		L	0.	0.	0.	4.50	0.	0.	0.79	0.27	0.27	0.
	RADI	[AN	CE VA	LUES A	RE IN	MICROWA	TTS	PER S	Q. CM. P	ER STE	RADIAN	•

TABLE 26

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

F	ILT	ER !	5 AT	0004 AS	T		11	NSOL AND	SLE 93	.5 DE	G
S	PEC	TRAL	BAND	1.57 T	0 2.98	B MICR	DNS	ELEV	ATION 2	20-2	KM
SA	'A	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.33	0.	0.	0.	3.42	0-	0.
70	A	0.	0.	0.	2.20	0.	0.	2.51	3.18	0-27	0.
	L	0.	0.	0.	3.01	0.	0.	2.51	0.36	0-27	0.
	R	0.	0.	0.	0.	0.	0.	0.	4.57	0.	0.
80	A	0.	0.	0.	1.52	0.	0.	2.88	3.43	0.22	0-
	L	0.	0.	0.	1.52	0.	0.	2.88	0.21	0.22	0-
	R	0.	0.	0.	0.	0-	0.	0.	0.51	0.	0.
90	A	0.	0.	0.	0.46	0.40	0.	2.57	0.43	0.21	0.
	L	0.	0.	0.	0.46	0.40	0 °	2.57	0.29	0.21	0.
	R	0.	0.	0.	0.	0.48	0.	0.	0.21	0-	0.
100	A	0.	0.	0.	0.60	0.28	0.	0.27	0.23	0.34	0.
	L	0.	0.	0.	0.60	0.25	0.	0.27	0.27	0.34	0.
	R	0-	0.	0.	0.	0.39	0.	0.	0.21	0.	0.
110	A	0.	0.	0.	0.74	0.28	0.	0.37	0.21	0.28	0.
	L	0.	0.	0.	0.74	0.24	0.	0.37	0.25	0.28	0-
	R	0.	0.	0.	0.	0.30	0.	0.	0.28	0.	0.
120	A	0.	0.	0.	0.56	0.25	0.	0.62	0.27	0.26	0.
	L	0.	0.	0.	0.56	0.23	0.	0.62	0.19	0.26	0-
RAD	I AN	CE VA	ALUES	ARE IN	MICROWA	ATTS PE	R SQ.	CM. PE	R STER	ADIAN	•

TABLE 26 CONT.

f	:IL	TER !	5 AT	0004 AS	ST			INSOL AN	GLE 9	3.5 D	EG
\$	SPE	CTRAL	BAND	1.57	ro 2.9	8 MICR	ONS	ELEV	ATION	20.2	KM
SA	/A	0	10	20	30	40	50	60	70	80	9
	R	0.	0.	0.	0.	0.29	0.	0.	0.28	0.	0
130	A	0.	0.	0.	0.37	0.30	0.	0.38	0.27	0.31	0
	L	0.	0.	0.	0.37	0-30	0.	0.38	0.18	0.31	0
	R	0.	0.	0.	0.	0.37	0.	0.	0.29	0.	0.
140	A	0.	0.	0.	0.25	0.28	0.	0.69	0.29	0.50	0.
	L	0.	0.	0.	0.25	0.27	0.	0.69	0.	0.50	0.
	R	0.	0.	0.	0.	0.33	0.	0.	0.29	0.	0.
150	A	0.	0.	0.	0.24	0-25	0.	0.	0.29	0.58	0.
	L	0.	0.	0.	0.24	0.21	0.	0.	0.	0.58	0.
	R	0.	0.	0-	0.	0.46	0.	0.	0.27	0.49	0.
160	A	0.	0.	0.	0.26	0.35	0.	0.	0.29	0.44	0.
	L	0.	0.	0.	0.26	0.23	0.	0.	0.45	0.40	0.
	R	0.	0.	0.	0.	0.43	0.	0.	0.21	0.29	0.
170	A	0.	0.	0.	0.25	0.36	0.	0.	0.27	0.29	0.
	Ł	0.	0.	0.	0.25	0.29	0.	0.	0.29	0.28	0.
	R	0.	0.	0.	0.	0.45	0.	0.	0.31	0.27	0.
180	A	0.	0.	0.	0.31	0.39	0.	0.	0.32	0.25	0.
	L	0.	0.	0.	0.31	0.37	٥.	0.	0.36	0.24	0.
RADI	AN	CE VAI	LUES A	RE IN A	11CROWA	TTS PE	R SC	. CM. PE	R STER	ADIAN	•
		VIEW	ING AN	GLE AND	SUN A	ZIMUTH	ARE	IN DEGR	EES.		

TABLE 26 CONT.

1	FIL	TER S	5 AT	0004 AS		INSOL AN	GLE 9	3.5 D	EG		
:	SPE	CTRAL	BAND	1.57	ro 2.9	8 MI	CRONS	ELEV	ATION	20.2	KM
SA	/A	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.35	0.	0.	0.	0.	0.	0.
0	A	0.	0.	0.	0.51	0.	0.	0.	0.	0.	0.
	L	0.	0.	0.	0.38	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.36	0.	0.	0.	1.21	0.	0.
10	A	0.	0-	0.	0.51	0.	0.	0.	1.21	0.	0.
	L	0.	0.	0.	0.36	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.36	0.	0.	0.	1.13	0.	0.
20	A	0.	0.	0.	0.57	0.	0.	0.	1.13	0.	0-
	L	0.	0.	0.	0.44	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	1.17	0.	0.	0.	5.35	0.	0.
30	A	0.	0.	0.	1.20	0.	0.	0.	5.35	0.	0.
	L	0.	0.	0.	0.30	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.84	0.	0.	0.	4.76	0.	0.
40	A	0.	0.	0.	0.93	0.	0.	0-40	4.76	0.19	0.
	L	0.	0.	0.	0.40	0.	0.	0.40	0.22	0.19	0.
	R	0-	0.	0.	0.43	0.	0.	0.	0.78	0.	0.
50	A	0.	0.	0.	0.63	0.	0.	0.27	0.80	0.23	0.
	Ł	0.	0.	0.	0.45	0.	0.	0.27	0.21	0.23	0.
	R	0.	0.	0.	0.31	0.	0.	0.	3.50	0.	0.
60	A	0.	0.	0.	0.59	0.	0.	0.59	3.51	0.20	0.
	L	0.	0.	0.	0.50	0.	0.	0.59	0.24	0.20	0.

IR RMS FLUCTUATION AS A FUNCTION OF SUN AZIMUTH

FI	LTER	5 AT	0004 A	ST			INSOL AN	IGLE S	93.5 D	EG
SP	ECTRAL	L BAND	1.57	TO 2.9	8 MICI	RONS	ELEV	ATION	20.2	KM
VA SA	o	10	20	30	40	50	60	70	80	90
R	0.	0.	0.	0.22	0.	0.	0.	0.31	0.	0.
70 A	0.	0.	0.	0.81	0.	0.	0.48	0.43	0.24	0.
L	0.	0.	0.	0.78	0.	0.	0.48	0.30	0-24	0.
R	0.	0.	0.	0.	0.	0.	0.	0.65	0.	0.
80 A	0.	0.	0.	0.40	0.	0.	0.51	0.67	0.19	0.
L	0.	0.	0.	0.40	0.	0.	0.51	0.17	0.19	0.
R	0.	0.	0.	0.	0.	0.	0.	0.50	0.	0.
90 A	0.	0.	0.	0.31	0.25	0.	1.26	0.54	0.15	0.
L	0.	0.	0.	0.31	0.25	0.	1-26	0.22	0.15	0.
R	0.	0.	0.	0.	0.24	0.	0.	0.16	0.	0.
100 A	0.	0.	0.	0.28	0.31	0.	0.22	0.28	0.26	0.
L	0.	0.	0.	0.28	0.21	0.	0.22	0.23	0.26	0.
R	0.	0.	0.	0.	0.22	0.	0.	0.19	0.	0.
110 A	0.	0.	0.	0.40	0.29	0.	0.27	0.25	0.26	0.
L	0.	0.	0.	0-40	0.19	0.	0.27	0.15	0.26	0.
R	0.	0.	0.	0.	0.21	0.	0.	0.20	0.	0.
120 A	0-	0.	0.	0.30	0.28	0.	0.29	0.26	0-21	0.
L	0.	0.	0.	0.30	0-19	0.	0.29	0.16	0.21	0.
RADIAN	ICE VA	LUES AF	RE IN	MICROWA	TTS PE	R SQ	- CM. PE	R STER	ADIAN.	
	VIEW	ING AND	LE AN	SUN A	ZIMUTH	ARE	IN DEGR	EES.		

TABLE 27 CONT.

1

	FIL	TER 5	AT (0004 AS	I	NSOL AN	GLE 9	3.5 Di	EG .		
	SPE	CTRAL	BAND	1.57 T	0 2.9	8 MICR	ONS	ELEV	ATION	20.2	KM
	VA	0	10	20	30	40	50	60	70	80	90
SA	١										
	R	0.	0.	0.	0.	0.21	0.	0.	0-21	0.	0.
130	A	0.	0.	0.	0.27	0.30	0.	0.28	0.26	0.28	0.
	L	0.	0.	0.	0.27	0.21	0.	0.28	0.15	0.28	0.
	R	0.	0.	0.	0.	0.28	0.	0.	0.21	0.	0.
140) A	0.	0.	0.	0.20	0.34	0.	0.31	0.21	0.30	0.
	L	0.	0.	0.	0.20	0-19	0.	0.31	0.	0.30	0.
	R	0.	0.	0.	0.	0.26	0.	0.	0.21	0.	0.
150) A	0.	0.	0.	0.20	0.32	0.	0.	0.21	0.32	0.
	L	0.	0.	0.	0.20	0.18	0.	0.	0.	0.32	0.
	R	0.	0.	0.	0.	0.27	0.	0.	0.21	0.29	0.
160) A	0.	0.	0.	0.22	0.32	0.	0.	0.32	0.38	0.
	L	0.	0.	0.	0.22	0.18	0.	0.	0.24	0.25	0.
	R	0.	0.	0.	0.	0.23	0.	0.	0.16	0.23	0.
170) A	0.	0.	0.	0.19	0.32	0.	0.	0.24	0.31	0-
	L	0.	0.	0.	0-19	0.22	0.	0.	0.17	0.21	0.
	R	0.	0.	0.	0.	0.27	0.	0.	0.25	0.17	0.
180) A	0.	0.	0.	0.22	0.35	0.	0.	0.33	0.25	0.
	L	0.	0.	0.	0.22	0.21	0.	0.	0.22	0.18	0.
RAD	IAN	CE VAL	UES A	RE IN M	ICROWA	TTS PE	R SQ.	CM. PE	R STER	ADIAN.	,

TABLE 27 CONT.

FILT	ER 5	AT O	004 AS	īτ		IN	ISOL AN	GLE 9	3.5 D	EG
SPEC	TRAL	BAND	1.57 1	0 2.9	8 MICR	ONS	ELEV	ATION	20.2	KM
VA SA	0	10	20	30	40	50	60	70	80	90
0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.	0.	0.	0-	0.
20	0.	0.	0.	0.	0.	0.	0.	195.	0.	0-
30	0.	0.	0.	0.	0.	0.	0.	225.	0.	0.
40	0.	0.	0.	0.	0.	0.	0.	255.	30.	0.
50	0.	0.	0.	210.	0.	0.	180.	285.	120.	0.
60	0.	0.	0.	840。	0.	0.	285。	270.	105.	0.
70	0.	0.	0.	510.	0.	0.	255。	195.	150。	0.
80	0.	0.	0.	195.	45.	0-	225。	300。	150.	0.
90	0.	0.	0.	225.	465。	0.	315。	285.	75.	0.
100	0.	0.	0.	210.	360.	0.	255。	225.	90.	0.
110	0.	0.	0.	345.	495。	0.	375。	225.	150.	0.
120	0.	0.	0.	285.	630。	0.	675。	210.	180.	0.
130	0.	0.	0.	0.	750.	0.	345。	195.	120.	0.
140	0.	0.	0.	0.	0.	0.	0.	195.	195.	0.
150	0.	0.	0.	0.	0.	0.	0。	270.	315.	0.
160	0.	0.	0.	0.	0.	0.	0.	165.	525。	0.
170	0.	0.	0.	0.	0.	0.	0.	0.	0.	0-
180	0.	0.	0.	0.	0.	0.	0.	0-	0.	0.
RADIANC	E VAL	UES ARI	E IN M	ICROWA	TTS PE	R SQ.	CM. PE	R STER	ADIAN.	•

TABLE 28

	FILT	ER 5	AT OC	04 AS1	7		INS	OL AN	GLE 93	.5 DE	G
	SPEC	TRAL E	BAND 1	.57 TC	2.98	MICRO)NS	ELEV	ATION 2	20-2	KM
	VA	0	10	20	30	40	50	60	70	80	90
SA	١										
C)	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10)	0.	0.	0.	0.	0.	0.	0.	0.	0.	٥٥
20)	0.	0.	0.	0.	0.	0.	0.	48.31	0.	0.
30)	0.	0.	0.	0.	0.	0.	0.	42.76	0.	0.
40)	0.	0.	0.	0.	0.	0.	0.	21.60	0.19	0.
50)	0.	0.	0.	5.14	0.	0.	0.43	9.36	0.26	0.
60)	0.	0.	0.	5.04	0.	0.	0.51	4.61	0.27	0.
70)	0.	0.	0.	2.49	0.	0.	2.34	3.18	0.27	0.
80)	0.	0.	0.	2.01	0.29	0.	2.92	3.27	0.22	0.
90)	0.	0.	0.	0.54	0.37	0.	1.98	0.39	0.21	0.
100)	0.	0.	0.	0.63	0-28	0.	0.28	0.23	0.37	0.
110)	0.	0.	0.	0.29	0.27	0 0	0.45	0.23	0.26	0.
120)	0.	0.	0.	0.26	0.27	0.	0.42	0.28	0.27	0.
130)	0.	0.	0.	0.	0.35	0 e	0.54	0 ₀ 28	0.32	0.
140)	0.	0.	0.	0.	0.	0.	0 0	0.30	0.53	0.
150)	0.	0.	0.	0.	0.	0.	0 0	0.29	0.52	0.
160)	0.	0.	0.	0.	0.	0.	0.	0.28	0.30	0.
170)	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
180)	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TABLE 29

IR RMS FLUCTUATION AS A FUNCTION OF SCATTERING ANGLE

	FIL	TEO	5 AT (0004 AS	. •		•	NICOL AN	ICLE 0		- 0
		CTRAL		1.57		8 MICR		NSOL AN ELEV	ATION	3.5 DI 20.2	KM
I	VA SA	0	10	20	30	40	50	60	70	80	90
I	0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
E	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	20	0.	0.	0.	0.	0.	0.	0.	1.39	0.	0.
I	30	0.	0.	0.	0.	0.	0.	0.	4.96	0.	0.
_	40	0.	0.	0.	0.	0.	0.	0.	7.29	0.19	0.
	50	0.	0.	0.	0.42	0.	0.	0.29	6.22	0.23	0.
F	60	0.	0.	0.	1.68	0.	0.	0.43	4.01	0.20	0.
Ē	70	0.	0.	0.	2.26	0.	0.	0.59	0.87	0.23	0.
	80	0.	0.	0.	0.91	0.20	0.	0.52	2.07	0.19	0.
	90	0.	0.	0.	0.30	0.25	0.	1.47	0.41	0.18	0.
	100	0.	0.	0.	0.35	0.22	0.	0.23	0.19	0.28	0.
F :	110	0.	0.	0.	0.23	0.21	0.	0.30	0.19	0.24	0.
ſ.	120	0.	0.	0.	0.20	0.21	0.	0.28	0.20	0.21	0.
- uniones s.	130	0.	0.	0.	0.	0.25	0.	0.35	0.21	0.29	0.
i.	140	0.	0.	0.	0.	0.	0.	0.	0.22	0.31	0.
I	150	0.	0.	0-	0.	0.	0.	0.	0.21	0.27	0.
a r	160	0.	0.	0.	0.	0.	0.	0.	0.21	0.23	0.
I	170	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
F	180	0-	0.	0.	0.	0.	0.	0.	0.	0.	0.
	RADIAN	CE VAI	LUES AR	RE IN M	ICROWA	TTS PE	R SQ.	CM. PE	R STER	ADIAN.	•

VIEWING ANGLE AND SCATTERING ANGLE ARE IN DEGREES.

1

FILTE	FILTER 4 AT 0010 AST INSOL ANGLE 93.5 DEG SPECTRAL BAND 2.76 TO 3.25 MICRONS ELEVATION 21.5 KM												
SPECT	FRAL	BAND 2	.76 T	0 3.2	5 MICR	DNS	ELEV	ATION	21.5	KM			
							•						
VA SA	0	10	20	30	40	50	60	70	80	90			
R	0.	0.	0.	0.	60.	0.	0.	0.	0.	0.			
0 A	0.	0.	0.	0.	60.	0.	0.	0.	0.	0.			
L	0.	0.	0.	0.	60.	0.	0.	0.	0.	0.			
R	0.	0.	0.	0.	105.	0.	0.	0.	0.	0.			
10 A	0.	0.	0.	0.	98.	0.	0.	0.	0.	0.			
L	0.	0.	0.	0.	90.	0.	0.	0.	0.	0.			
R	0.	0.	0.	0.	75.	0.	0.	75。	0.	0.			
20 A	0.	0.	0.	0.	75.	0.	0.	38.	0.	0.			
L	0.	0.	0.	0.	75.	0.	0.	0.	0.	0-			
R	0.	0.	0.	0.	105.	0.	0.	270°	0.	0.			
30 A	0.	0.	0.	0.	105。	0.	0.	135.	0.	0-			
L	0.	0.	0.	0.	105.	0.	0.	0.	0.	0.			
R	0.	0.	0.	0.	135。	0.	0.	225.	0.	0.			
40 A	0.	0.	0.	0.	135.	0.	0.	113.	0.	0.			
L	0.	0.	0.	0.	135.	0.	0.	0.	0.	0.			
R	0.	0.	0.	0.	60。	0.	0.	255。	0.	0.			
50 A	0.	0.	0.	0.	68.	0.	0 .	128.	0.	0.			
L	0.	0.	0.	0.	75.	0.	0.	0-	0.	0.			
R	0.	0.	0.	0.	60。	0.	0.	210.	0-	0.			
60 A	0.	0.	0.	0.	60.	0.	0.	113.	53.	0.			
L	0.	0.	0.	0.	60.	0.	0.	15.	105.	0.			
RADIANC	E VAL	UES ARE	IN M	ICROWA	ATTS PE	R SQ.	CM. PE	R STER	ADIAN	.			

TABLE 31

f	ILTE	R 4	AT O	010 AS	т		IN	SOL AN	GLE 9	3.5 D	EG
:	SPECT	RAL	BAND :	2.76 T	0 3.2	5 MICR	ONS	ELEV	ATION	21.5	KM
SA	/A	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	60.	0.	0.	240.	0.	0.
70	A	0.	0.	0.	0.	45。	0.	0.	135.	68.	0-
	L	0.	0.	0.	0.	30.	0.	0.	30.	135.	0-
	R	0.	0.	0.	0.	75.	0.	0.	225.	0.	0.
80	A	0.	0.	0.	45.	98.	0.	0.	113.	90.	0.
	L	0.	0.	0.	90.	120。	0.	0.	0.	180.	0.
	R	0.	0.	0.	0.	75.	0.	0.	225.	0.	0.
90	A	0.	0.	0.	150.	90。	0.	0.	158.	83.	0.
	L	0.	0.	0.	299.	105.	0.	0.	90.	165.	0.
	R	0.	0.	0.	0.	90.	0.	0.	195.	0.	0.
100	A	0.	0.	0.	180.	83.	0.	0 .	113.	90.	0.
	L	0.	0.	0.	360。	75.	0.0	0.	30。	180 _°	0.
	R	0.	0.	0.	0.	30.	0.	0.	240。	0.	0.
110	A	0.	0.	0.	142.	60。	0.	0.	165.	75。	0.
	L	0.	0.	0.	284.	90.	0.	0.	90 o	149.	0.
	R	0.	0.	0.	0.	0.	0.	0.	210.	0.	0.
120	A	0.	0.	0.	150.	30.	0.	0.	143.	90。	0.
	L	0.	0.	0.	299.	60.	0.	0.	75.	180.	0.
RAD	I ANCE	VAL	UES AR	E IN M	ICROWA	TTS PE	R SQ.	CM. PE	R STEF	RADIAN	•

TABLE 31 CONT.

FILTER 4 AT 0010 AST

INSOL ANGLE 93.5 DEG

SPECTRAL BAND 2.76 TO 3.25 MICRONS

ELEVATION 21.5 KM

V. SA	A	0	10	20	30	40	50	60	70	80	90
i	R	0.	0.	0.	0.	45.	0.	0.	135.	0.	0.
130	A	0.	0.	0.	113.	75.	0.	0.	98.	97.	0.
!	L	0.	0.	0.	225.	105.	0.	0.	60.	194.	0.
1	R	0.	0.	0.	0.	75.	0.	0.	195.	0.	0.
140	A	0.	0.	0.	120.	75.	0.	0.	105.	119.	0.
1	L	0.	0.	0.	240.	75.	0.	0.	15.	237.	0.
ı	R	0.	0.	0.	0.	90.	0.	0.	195.	0.	0-
150	A	0.	0.	0.	143.	83.	0.	0.	113.	143.	0.
1	L	0.	0.	0.	285。	75。	0.	0.	30.	285.	0.
Į	R	0.	0.	0.	0.	30.	0.	0.	75。	0.	0.
160	A	0.	0.	0.	135.	38.	0.	0.	60.	278.	0.
1	L	0.	0-	0.	270.	45.	0.	0.	45.	555。	0.
i	R	0.	0.	0.	0.	90.	0.	0.	0.	0.	0.
170	A	0.	0.	0.	111.	90.	0.	0.	0.	0.	0.
į	L	0.	0.	0.	222•	90.	0.	0.	0.	0.	0-
{	R	0.	0.	0.	135。	15.	0.	0.	0.	0.	0.
180	A	٥.	0.	0.	120.	30.	0.	0.	0.	0.	0.
ł	L	0.	0.	0.	104.	45.	0.	0.	0.	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

TABLE 31 CONT.

ı	FIL	TER	4 AT	0010 A	ST			INSOL A	NGLE 9	3.5 D	EG
	SPE	CTRAL	BAND	2.76	TO 3.	25 MICR	ONS	ELE	VATION	21.5	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.12	0.	0.	0.	0.	0.
0	A	0.	0.	0.	٥.	0.15	0.	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.18	0 °	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.13	0 .	0-	0.	0.	0.
10	A	0.	0.	0.	0.	0.17	0.	0.	0.	0.	0.
	L	0.	0.	0.	٥.	0.22	٥.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.16	0.	0.	0.84	0.	0.
20	A	0.	0.	0.	0.	0.15	0.	0.	0.84	0.	0.
	L	0.	0.	0.	0.	0.14	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.14	0.	0.	0.68	0.	0.
30	A	0.	0.	0.	0.	0.14	0.	0.	0.68	0.	0.
	L	0.	0.	0.	0.	0.14	0 .	0.	0。	0.	0.
	R	0.	0.	0.	0.	0.14	0 .	0.	0.60	0.	0.
40	A	0.	0.	0.	0.	0.34	0.	0.	0.60	0.	0.
	L	0.	0.	0.	0.	0.54	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.17	0.	0.	0.54	0.	0.
50	A	0.	0.	0.	0.	0.44	0.	0.0	0.54	0.	0.
	L	0.	0.	0.	0.	0.66	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.13	0.	0.	0.36	0.	0-
60	A	0.	0.	0.	0.	0.39	0.	0.	0.37	0.58	0.
	L	0.	0.	0.	0.	0.65	0.	0.	0.56	0.58	0.
RAD	[AN	CE VAI	LUES A	RE IN	MICROW	ATTS PE	R SQ	. CM. P	ER STER	ADIAN.	D

TABLE 32

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

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	FIL	TER 4	AT	0010 AS		INSOL A	NGLE 9	3.5 D	EG		
	SPE	CTRAL	BAND	2.76 T	0 3.2	5 MICR	ONS	ELE	VATION	21.5	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.18	0.	0.	0.42	0.	0.
70	A	0.	0.	0.	0.	0.31	0.	0.	0.44	0.60	0.
	Ł	0.	0.	0.	0.	0.58	0.	0.	0.55	0.60	0.
	R	0.	0.	0.	0.	0.14	0.	0.	0.53	0.	0.
80	A	0.	0.	0.	1.47	0.41	0.	0.	0.53	0.44	0.
	L	0.	0.	0.	1.47	0.58	0.	0.	0.	0.44	0.
	R	0.	0.	0.	0.	0.23	0.	0.	0.50	0.	0.
90	A	0.	0.	0.	1-64	0.44	0.	0.	0.49	0.48	0.
	L	0.	0.	0.	1.64	0.58	0.	0.	0.47	0.48	0.
	R	0.	0.	0.	0.	0.28	0.	0.	0.53	0.	0.
100	A	0.	0.	0.	0.62	0.44	0.	0.	0.54	0.57	0.
	L	0.	0.	0.	0.62	0.62	0.	0.	0.62	0.57	0.
	R	0.	0.	0.	0.	0.40	0.	0.	0.60	0.	0.
110	A	0.	0.	0.	1.17	0.52	0.	0.	0.54	0.41	0.
	L	0.	0.	0.	1.17	0.56	0.	0.	0.37	0.41	0.
	R	0.	0.	0.	0.	0.	0.	0.	0.64	0.	0.
120	A	0.	0.	0.	0.60	0.56	0.	0.	0.63	0.61	0.
	L	0.	0.	0.	0.60	0.56	0.	0.	0.62	0.61	0.
RAD	IAN	CE VAL	UES A	RE IN	ICROWA	TTS PE	R SC	. CM. P	ER STER	ADIAN.	D

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.
VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

TABLE 32 CONT.

	FIL	TER	4 AT	010 A	ST			INSOL A	NGLE 9	3.5 DI	EG
	SPE	CTRAL	BAND	2.76	TO 3.2	5 MICR	ONS	ELE	VATION	21.5	K
SA	VA	0	10	20	30	40	50	60	70	80	
	R	0.	0.	0.	0.	0.26	0.	0.	0.64	0.	
130	A	0.	0.	0.	0.56	0.46	0.	0.	0.66	0.69	
	L	0.	0.	0.	0.56	0.55	٥.	0.	0.72	0.69	
	R	0.	0.	0.	0.	0.29	0.	0.	0.59	0-	
140	A	0.	0.	0.	0.59	0.43	0.	0.	0.60	0.85	
	L	0.	0.	0.	0.59	0.57	0.	0.	0.71	0.85	
	R	0.	0.	0.	0.	0.35	0.	0 c	0.64	0.	
150	A	0.	0.	0.	0.72	0.52	0。	0 .	0.67	0.82	
	L	0.	0。	0.	0.72	0.73	0.	0.	0.83	0.82	
	R	0.	0.	0.	0.	0.40	0 .	0.	0.62	0.0	
160	A	0.	0.	0.	0.64	0.62	0.	0.	0.68	0.81	
	L	0.	0.	0.	0.64	0.77	0 °	0.	0.78	0.81	
	R	0.	0.	0.	0.	0.45	0.	0.0	0 °	0.	
170	A	0.	0.	0.	0.43	0.60	0.	0.	0.	0.	
	L	0.	0.0	0.	0.43	0.74	0.	0.	0.	0.	
	R	0.	0.	0.	0.54	0.54	0.	0.	0.	0.	
180	A	0.	0.	0.	0.51	0.57	0.	0.	0.	0.0	
	Ł	0.	0.	0.	0.46	0.58	٥,	0.	0.	0.	

TABLE 32 CONT.

ı	FIL	TER 4	4 AT	0010	AST			INSOL	ANGLE	93.5	EG
;	SPE	CTRAL	BAND	2.76	TO 3	-25 MICR	ONS	EI	EVAT 10	N 21.5	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.10	0.	0.	0.	0.	0.
0	A	0.	0.	0.	0.	0.16	٥.	0.	0.	0.	0-
	L	0.	0.	0.	0.	0.13	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.09	0.	0.	0.	0.	0.
10	A	0.	0.	0.	0.	0.17	0.	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.14	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.10	0.	0.	0.18	3 0.	0.
20	A	0.	0.	0.	0.	0.15	0.	0.	0.18	3 0.	0.
	L	0.	0.	0.	0.	0.11	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.10	0.	0.	0.16	5 0.	0.
30	A	0.	0.	0.	0.	0.16	0.	0.	0.16	5 0.	0.
	L	0.	0.	0.	0.	0.13	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.10	0.	0.	0.17	7 0.	0.
40	A	0.	0.	0.0	0.	0.21	0.	0.	0.17	7 0.	0.
	L	0.	0.	0.	0.	0.18	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.11	0.	0.	0.18	3 0.	0.
50	A	0.	0.	0.	0.	0.22	0.	0.	0.18	3 0.	0.
	L	0.	0.	0.	0.	0.18	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.09	0.	0.	0.14	. 0.	0.
60	A	0.	0.	0.	0.	0.18	0.	0.	0.17	7 0.16	0.
	L	0.	0.	0.	0.	0.15	0.	0.	0.10	0.16	0.

	FIL	TER 4	4 AT	0010 AS		INSOL A	NGLE 9	3.5 D	EG		
	SPE	CTRAL	BAND	2.76 1	10 3.2	5 MICR	ONS	ELE	VATION	21.5	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.13	0	0.	0.19	0.	0.
70	A	0.	0.	0.	0.	0.19		0.	0.27	0.17	
	L	0.	0.	0.	0.	0.14		0.	0.19	0.17	
	R	0.	0.	0.	0.	0.10					
80	A		0.	0.	0.22	0.22		0.	0.15	0.	0.
00	L							0.	0.15	0.17	
		0.	0.	0.	0.22	0.19		0.	0.	0.17	
	R	0.	0.	0.	0.	0.14	0 .	0.	0.16	0.	0.
90	A	0.	0.	0.	0.36	0.21	0.	0 .	0.24	0.17	0.
	L	0.	0.	0.	0.36	0.16	0.	0.	0.19	0.17	0.
	R	0.	0.	0.	0.	0.14	0.	0.	0.15	0.	0.
100	A	0.	0.	0.	0.24	0.20	0.	0.	0.27	0.17	0.
	L	0.	0 °	0.	0.24	0-14	0.	0.	0.22	0.17	0.
	R	0.	0.	0.	0.	0.09	0.	0.	0.16	0.	0.
110	A	0.	0.	0.	0.23	0.17	0 .	0.	0.25	0.17	0.
	L	0.	0.	0.	0.23	0.14	0.	0。	0.19	0.17	0.
	R	0.	0.	0.	0.	0.	0 0	0.	0.17	0.	0.
120	A	0.	0.	0.	0.19	0.14	0.	0.	0。25	0.16	0.
	L	0.	0.	0.	0.19	0-14	0.	0.	0.18	0.16	0.
RADI	I ANC	E VAL	UES AF	RE IN M	ICROWA	TTS PE	R SQ	. CM. PE	R STER	ADIAN	,
		VIEWI	NG ANG	SLE AND	SUN A	ZIMUTH	ARE	IN DEGR	REES.		

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TABLE 33 CONT.

	FIL	TER 4	AT	INSOL AN	GLE 9	3.5 DI	EG				
	SPE	CTRAL	BAND	2.76 T	0 3.2	5 MICR	ONS	ELEV	ATION	21.5	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.13	0.	0.	0.15	0.	0.
130	A	0.	0.	0.	0.16	0.20	0.	0.	0.23	0.20	0.
	L	0.	0.	0.	0.16	0.16	0.	0.	0.17	0.20	0.
	R	0.	0.	0.	0.	0.14	0.	0.	0.16	0.	0.
140	Α	0.	0.	0.	0.16	0.22	0.	0.	0.25	0.20	0.
	Ł	0.	0.	0:	0.16	0.17	0.	0.	0.20	0.20	0.
	R	0.	0.	0.	0.	0.15	0.	0.	0.14	0.	0.
150	A	0.	0.	0.	0.16	0.22	0.	0.	0.18	0.18	0.
	L	0.	0.	0.	0.16	0-16	0.	0.	0.11	0.18	0.
	R	0.	0.	0.	0.	0.14	0.	0.	0.15	0.	0.
160	A	0.	0.	0.	0.18	0.22	0 0	0 %	0.22	0.19	0.
	L	0.	0.	0.	0.18	0.17	0.	0.	0.16	0.19	0.
	k	0.	0.	0.	0.	0.15	0.	0.	0.	0.	0.
170	A	0.	0.	0.	0.18	0.23	0.0	0.	0.	0.	0.
	L	0.	0.	0.	0.18	0.17	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.16	0.18	0.	0.	0。	0.	0.
180	A	0.	0.	0.	0.22	0.27	0.	0.	0.	0.	0.
	L	0.	0.	0.	0.15	0-20	0.	0.	0.	0.	0.
RAD	I AN	CE VAL	UES A	RE IN M	ICROWA	TTS PE	R SQ	. CM. PE	R STER	AD I AN .	,

TABLE 33 CONT.

-	FILT	ER 4	AT 00	10 AS	T		IN	SOL AN	IGLE 9	3.5 D	EG
	SPECT	TRAL	BAND 2	.76 1	0 3.2	5 MICR	ONS	ELEV	ATION	21.5	KM
I	VA SA	0	10	20	30	40	50	60	70	80	90
I	o	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
I	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
I.	20	0.	0.	0.	0.	0.	0.	0.	15.	0.	0.
I	30	0.	0.	0.	0.	0.	0.	0.	285.	0.	0.
_	40	0.	0.	0.	0.	390.	0.	0.	255.	0.	0.
I	50	0.	0.	0.	0.	480.	0 °	0.	240.	0.	0.
Tame of	60	0.	0.	0.	0.	225。	0.	0.	255.	105.	0.
1.	70	0.	0.	0.	0.	135。	0.	0.	285。	150.	0.
	80	0.	0.	0.	149.	270。	0.	0.	240.	195。	0.
	90	0.	0.	0.	600.	225.	0.	0.	300。	165.	0.
	100	0.	0.	٥.	598.	225.	0.	0.	240.	165。	0.
	110	0.	0.	0.	750 。	150°	0.	0.	345。	164.	0.
:	120	0.	0.	0.	716.	330.	0.	0.	285。	165.	0.
	130	0.	0.	0.	0.	360 。	0.	0.	255。	209。	0.
	140	0.	0.	0.	0.	0.	0.	0.	225 。	342。	0.
-	150	0.	0.	0.	0.	0.	0.	0.	225。	690°	0.
F	160	0.	0.	0.	0.	0.	0.	0.	0.	15.	0.
	170	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	180	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
Į.	RADIANCE	VAL	UES ARE	IN M	ICROWA	TTS PE	R SQ.	CM. PE	R STER	ADIAN	•

TABLE 34

	FILTER	4 AT	0010	NST			INSOL	ANGLE 9	3.5 D	EG
	SPECTRA	L BAND	2.76	TO 3.2	5 MICR	ONS	EL	EVATION	21.5	KM
SA	VA O	10	20	30	40	50	60	70	80	90
0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.	0.	0.75	0.	0.
30	0.	0.	0.	0.	0.	0.	0.	0.73	0.	0.
40	0.	0.	0.	0.	0.16	0.	0.	0.60	0.	0.
50	0.	0.	0.	0.	0.21	0.	0.	0.56	0.	0.
60	0.	0.	0.	0.	0.44	0.	0.	0.38	0.58	0.
70	0.	0.	0.	0.	0.32	0.	0.	0.44	0.59	0.
80	0.	0.	0.	1.62	0.41	0.	0.	0.53	0.42	0.
90	0.	0.	0.	1.01	0.40	0.	0.	0.49	0.53	0.
100	0.	0.	0.	0.87	0.50	0.	0.	0.53	0.54	0.
110	0.	0.	0.0	0.63	0.49	0.	0.	0.55	0.43	0.
120	0.	0.	0.	0.53	0.48	0.	0.	0.66	0.64	0.
130	0.	0.	0.	0.	0.59	0.	0.	0.63	0.70	0.
140	0.	0.	0.	0.	0.	0.	0.	0.63	0 . 87	0.
150	0.	0.	0-	0.	0.	0.	0.	0.68	0.80	0.
160	. 0.	0.	0.	0.	0.	0.	0.	0.	0.96	0.
170	0.	0.	0。	0.	0.	0.	0.	0.	0.	0.
180	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

FIL	TER	4 AT	0010 A	ST			INSOL A	NGLE 9	3.5 D	EG
SPE	CTRAL	BAND	2.76	TO 3.2	5 MICR	ONS	ELE	VATION	21.5	KM
VA SA	0	10	20	30	40	50	60	70	80	9
0	0.	0.	0.	0.	0.	0.	0.	0.	0.	C
10	0.	0.	0.	0.	0.	0.	0.	0.	0.	(
20	0.	0.	0.	0.	0.	0.	0.	0.14	0.	(
30	0.	0.	0.	0.	0.	0.	0.	0.18	0.	(
40	0.	0.	0.	0.	0.12	0.	0.	0.16	0.	(
50	0.	0.	0.	0.	0.19	0.	0.	0.18	0.	1
60	0.	0.	0.	0.	0.28	0.	0.	0.15	0.16	(
70	0.	0.	0.	0.	0.28	0.	0.	0.20	0.17	
80	0.	0.	0.	0.28	0.26	0.	0.	0.16	0.16	•
90	0.	0.	0.	0.57	0.22	0.	0.	0.16	0.18	1
100	0.	0.	0.	0.35	0.18	0 ε	0.	0.18	0.16	1
110	0.	0.	0.	0.17	0.19	0.	0.	0.19	0.17	
120	0.	0.	0.	0.20	0.23	0.	0.	0.18	0.16	
130	0.	0.	0.	0.	0.22	0.	0.	0.16	0-19	1
L 40	0.	0.	0.	0.	0.	0.	0.	0.15	0.19	(
150	0.	0.	0.	0.	0.	0.	0.	0.17	0.19	ı
160	0.	0.	0.	0.	0.	0.	0.	0.	0.16	1
170	0.	0.	0.	0.	0.	0.	0.	0.	0.	,
180	0.	0.	0.	0.	0.	0.	0-	0.	0.	(

TABLE 36

FILTER 3 AT 0014 AST INSOL ANGLE 93.4 DEG

SPECTRAL BAND 2.37 TO 2.80 MICRONS ELEVATION 22.3 KM

SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.	15.	0.	0.	0.	0.
0	A	0.	0.	0.	0.	0.	30。	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	45.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	A	0.	0.	0.	0.	0.	171.	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	342.	0.	0.	0.	0-
	R	0.	0.	0.	0.	0.	0.	0.	30.	0.	0.
20	A	0.	0.	0.	0.	0.	150。	0.	15.	0.	0.
	L	0.	0.	0.	0.	0.	300.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	135。	135.	0.	0.
30	A	0.	0.	0.	8.	0.	203。	68.	68。	0.	0.
	L	0.	0.	0.	15.	0.	405 o	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	165。	180.	0.	0.
40	A	0.	0.	0.	113.	0.	143.	83。	179.	0.	0.
	L	0.	0.	0.	225.	0.	285。	0.	177.	0.	0.
	R	0.	0.	0.	0.	0.	0.	195。	119.	0.	0.
50	A	0.	0.	0.	83.	0.	208。	98.	150.	0.	0.
	L	0.	0.	0.	165.	0.	415.	0.	180.	0.	0.
	R	0.	0.	0.	0.	0.	0.	165。	210.	0.	0.
60	A	0.	0.	0.	90。	0.	149.	83。	158.	0.	0.
	L	0.	0.	0.	180.	0.	298.	0.	105.	0.	0.

()	1	FILTE	R 3	AT OC	14 AS	T		IN	ISOL AN	GLE 9	3.4 DE	G
	:	SPECT	RAL	BAND 2	2.37 T	0 2.8	O MICR	ONS	ELEV	ATION	22.3	KM
I	SA	/A	0	10	20	30	40	50	60	70	80	90
I		R	0.	0-	0.	0.	0.	0.	195。	165.	0.	0.
•	70	A	0.	0.	0.	83.	0.	232.	98.	143.	0.	0.
		L	0.	0.	0.	165.	0.	464.	0.	120.	0.	0.
I		R	0-	0.	0.	0.	0.	0.	165.	195.	0.	0.
_	80	A	0.	0.	0.	113.	0.	15.	83.	180.	0.	0.
		L	0.	0.	0.	225.	0.	30.	0.	165.	0.	0.
TT.		R	0.	0-	0.	0.	0.	0.	180.	165.	0.	0.
The same of the sa	90	A	0.	0.	0.	98.	0.	0.	90.	165.	0.	0.
The same of the sa		L	0.	0.	0.	195.	0.	0.	0.	165.	0.	0.
		R	0.	0.	0.	0.	0.	0.	165。	225.	0.	0-
	100	A	0.	0.	0.	60.	0.	0.	83。	173.	0.	0.
11		L	0.	0.	0.	120-	0.	0.	0.	120.	0.	0.
		R	0.	0.	0.	0.	0.	0.	150.	150.	0.	0.
	110	A	0.	0.	0.	83.	0.	0.	75。	165。	0.	0-
		L	0.	0.	0.	165.	0.	0.	0.	180。	0.	0.
I		R	0.	0.	0.	0.	0.	0.	180。	210.	0.	0-
E	120	A	0.	0.	0.	23.	0.	0.	90.	180.	0.	0.
I		L	0.	0.	0.	45.	0.	0.	0.	150.	0.	0.
•	RAD	IANCE	VAL	UES ARE	E IN P	4ICROWA	ATTS PE	R SQ.	CM. PE	R STER	ADIAN	•

TABLE 37 CONT.

FILTER 3 AT 0014 AST INSOL ANGLE 93.4 DEG

SPECTRAL BAND 2.37 TO 2.80 MICRONS ELEVATION 22.3 KM

SA V	IA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.	0.	135。	165.	0.	0.
130	A	0.	0.	23.	98-	0.	0.	68。	173.	0.	0.
	L	0.	0.	45.	195。	0.	0.	0.	180.	0.	0.
	R	0-	0.	0.	0.	. 0.	0.	195.	195.	0.	0.
140	A	0.	0.	0.	68.	0.	0.	98.	195.	0.	0.
	L	0.	0.	0.	135.	0.	0.	0.	195.	0.	0.
	R	0.	0.	0.	90.	0.	0.	150.	150.	0.	0.
150	A	0.	0.	0.	113.	0.	0.	75。	143.	0.	0.
	L	0.	0.	0.	135.	0.	0.	0.	135.	0.	0.
	R	0.	0.	0.	150.	0.	0.	120.	195.	0.	0.
160	A	0.	0.	0.	158.	0.	0.	105。	173.	0.	0.
	L	0.	0.	0.	165.	0.	0.	90。	150.	0.	0.
	R	0.	0.	0.	105.	0.	0.	105。	255.	28.	0.
170	A	0.	0.	0.	150.	0.	0.	128.	254。	14.	0.
	L	0.	0.	0.	195.	0.	0.	150.	253。	0.	0.
	R	0.	0.	0.	135.	0.	0.	105。	105.	15.	0.
180	A	0.	0.	0.	83.	0.	0.	98.	150.	8.	0.
	L	0.	0.	0.	30.	0.	0.	90。	195.	0.	0.

TABLE 37 CONT.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

		FIL	TER	3 AT	0014 AS	ST		11	ISOL A	NGLE 9	93.4 D	EG
		SPE	CTRAL	BAND	2.37 1	0 2.8	O MICE	RONS	ELE	VATION	22.3	KM
	SA	VA	0	10	20	30	40	50	60	70	80	90
22 PSO-004		R	0.	0.	0.	0.	0.	0.46	0.	0.	0.	0.
•	0	A	0.	0.	0.	0.	0.	0.67	0.	0.	0.	0.
E		L	0.	0.	0.	0.	0.	0.74	0.	0.	0.	0.
I		R	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
T	10	A	0.	0.	0-	0.	0.	0.49	0.	0.	0.	0.
		L	0.	0.	0.	0.	0.	0.49	0.	0.	0.	0-
		R	0.	0.	0.	0.	0.	0.	0.	37.71	0.	0.
Li	20	A	0.	0.	0.	0.	0.	1.15	0.	37.71	0.	0.
		L	0.	0.	0.	0.	0.	1.15	0.	0.	0.	0.
		R	0.	0.	0.	0.	0.	0.	1.81	37.31	0.	0-
	30	A	0.	0.	0.	0.76	0-	0.76	1.81	37.31	0.	0.
H		L	0.	0.	0.	0.76	0.	0.76	0.	0.	0.	0.
		R	0.	0.	0.	0.	0.	0.	2.04	38.40	0.	0.
	40	A	0.	0.	0.	0.91	0.	0.39	2.04	28.14	0.	0.
#1		L	0.	0.	0.	0.91	0.	0.39	0.	17.71	0.	0.
		R	0.	0.	0.	0.	0.	0.	2.40	38.19	0.	0.
*	50	A	0.	0.	0.	0.90	0.	0.63	2.40	17.73	0.	0.
E		L	0.	0.	0.	0.90	0.	0.63	0.	4.21	0.	0.
I		R	0.	0.	0-	0.	0.	0.	2.27	38.01	0.	0.
•	60	A	0.	0.	0.	1.58	0.	1.09	2.27	25.86	0-	0.
I		L	0.	0.	0.	1.58	0.	1.09	0.	1.56	0.	0.
	RAD	I AN	CE VAL	UES A	RE IN M	ICROWA	TTS PE	R SQ.	CM. P	ER STER	ADIAN	•
			VIEW	ING AN	GLE AND	SUN A	ZIMUTH	ARE I	N DEGI	REES.		

TABLE 38

FILTER 3 AT 0014 AST INSUL ANGLE 93.4 DEG											G
	SPECTRAL BAND 2.37 TO 2.80 MICRO							ELE/	ATION 2	22-3	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.	0.	1.99	38.39	0.	0.
70	A	0.	0.	0.	1-91	0.	1.72	1.99	22.59	0.	0.
	L	0.	0.	0.	1.91	0.	1.72	0.	0.87	0.	0.
	R	0.	0.	0.	0.	0.	0.	1.84	38.57	0.	0.
80	A	0.	0.	0.	1.79	0.	1.97	1.84	21.40	0.	0.
	Ł	0.	0.	0.	1.79	0.	1.97	0.	1.12	0.	0.
	R	0.	0.	0.	0.	0.	0.	1.82	38.51	0.	0.
90	A	0.	0.	0.	1.83	0.	0.	1.82	19.68	0.	0.
	L	0.	0.	0.	1.83	0.	0.	0.	0.86	0.	0.
	R	0.	0.	0.	0.	0.	0.	1.88	38.36	0.	0.
100	A	0.	0.	0.	1.87	0.	0.	1.88	25.42	0.	0.
	L	0.	0.	0.	1.87	0.	0.	0.	1.15	0.	0.
	R	0.	0.	0.	0.	0.	0.	2.02	37.91	0.	0-
110	A	0.	0.	0.	1.61	0.	0.0	2.02	18.39	0.	0.
	L	0.	0.	0.	1.61	0.	0.	0.	2.13	0.	0.
	R	0.	0.	0.	0.	0.	0.	2.08	37.74	0.	0.
120	A	0.	0.	0.	1.71	0.	0.	2.08	22.94	0.	0.
	L	0.	0.	0.	1-71	0.	0.	0.	2.22	0.	0.

TABLE 38 CONT.

1			3 AT AL BAND					INSOL A	VATION		EG KM
	VA	0	10	20	30	40	50	60	70	80	90
E	SA								, -		
I	R	0.	0.	0.	0.	0.	0.	2.19	37.32	0.	0.
I	130 A	0.	0.	1.62	1.79	0.	0.	2.19	19.10	0.	0.
-	L	0.	0.	1.62	1.79	0.	0.	0.	2.40	0.	0.
I	R	0.	0.	0.	0.	0.	0.	2.31	37.07	0.	0.
E.	140 A	0.	0.	0.	1.82	0.	0.	2.31	19.80	0.	0.
	L	0.	0.	0.	1.82	0.	0.0	0.	2.53	0.	0.
	R	0.	0.	0.	1.73	0.	0.	2.49	37.14	0.	0.
I.i	150 A	0.	0.	0.	1.83	0.	0.	2.49	20.73	0.	0.
	L	0.	0.	0.	1.89	0.	0.	0.	2.49	0.	0.
	R	0.	0.	0.	1.73	0.	0.	2.55	37.55	0.	0.
	160 A	٥.	0.	0.	1.86	0.	0.	2.37	22.45	0.	0.
11	L	0.	0.	0.	1.98	0.	0.	2.13	2.81	0.	0.
	R	0.	0.	0.	1.79	0.	0.	2.13	33.09	2.99	0.
	170 A	0.	0.	0.	1.77	0.	0.	2.15	24.00	2.99	0.
AL.	L	0.	0.	0.	1.76	0.	0.	2.16	14.85	0.	0.
	R	0.	0.	0.	1.80	0.	0.	2.26	27.13	2.96	0.
•	180 A	0.	0.	0.	178	0.	0.	2.31	21.63	2.96	0.
I	Ł	0.	0.	0.	1.66	0.	0.	2.36	18.67	0.	0.
•	RADIAN	CE '	VALUES A	RE IN	MICROWA	TTS	PER SC	. CM. PI	ER STER	RADIAN	•

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

TABLE 38 CONT.

1	FILT	TER 3	AT	0014	ST		IN	SOL AN	GLE 9	3.4 D	EG
:	SPEC	TRAL	BAND	2.37	TO 2.8	O MICI	RONS	ELEV	ATION	22.3	KM
SA	VA.	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.	0.24	0.	0.	0.	0.
0	A	0.	0.	0.	0.	0.	0.32	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.20	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.	0.	0.	0-
10	A	0.	0.	0.	0.	0.	0.34	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.34	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.	0.77	0.	0.
20	A	0.	0.	0.	0.	0.	0.27	0.	0.77	0.	0.
	L	0.	0.	0.	0.	0.	0.27	0.	0.	0.	0.
	R	0.	0.	0.	0 •	0.	0.	0.24	0.70	0.	0.
30	A	0.	0.	0.	0.13	0.	0.24	0.24	0.70	0.	0.
	L	0.	0.	0.	0.13	0.	0.24	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.26	0.74	0.	0.
40	A	0.	0.	0.	0.22	0.	0.24	0.26	7.48	0.	0.
	L	0.	0.	0.	0 . 22	0.	0.24	0.	7.45	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.24	1.01	0.	0.
50	A	0.	0.	0.	0.23	0.	0.50	0.24	1.84	0.	0.
	L	0.	0.	0.	0.23	0.	0.50	0.	1.54	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.22	0.67	0.	0.
60	A	0.	0.	0.	0.33	0.	0.26	0.22	0.77	0.	0.
	L	0.	0.	0.	0.33	0.	0.26	0.	0.37	0.	0.

_	1	FIL	TER	3 AT	0014 AS	T		IN	SOL AN	GLE 9	3.4 E	EG
	9	SPE	CTRAL	BAND	2.37 T	0 2.8	O MI	CRONS	ELEV	ATION	22.3	KM
I	SA	VA	0	10	20	30	40	50	60	70	80	90
		R	0.	0.	0.	0.	0.	0.	0.24	0.64	0.	0.
I	70	A	0.	0.	0.	0.22	0.	0.37	0.24	0.71	0.	0.
•		L	0.	0.	0.	0.22	0.	0.37	0.	0.31	0.	0.
I		R	0.	0.	0.	0.	0.	0.	0.22	0.68	0.	0.
_	80	A	0.	0.	0.	0.20	0.	0.21	0.22	0.72	0.	0.
		L	0.	0.	0.	0.20	0.	0.21	0.	0.23	0.	0.
		R	0.	0.	0.	0.	0.	0.	0.21	0.62	0.	0.
11	90	A	0.	0.	0.	0.22	0.	0.	0.21	0.65	0.	0.
		L	0.	0.	0.	0.22	0.	0.	0.	0.21	0.	0.
		R	0.	0.	0.	0.	0.	0.	0.20	0.66	0.	0.
	100	A	0.	0.	0.	0.21	0.	0.	0.20	0.79	0.	0.
Π		L	0.	0.	0.	0.21	0.	0.	0.	0.43	0.	0.
		R	0.	0.	0.	0.	0.	0.	0.24	0.68	0.	0.
	110	A	0.	0.	0.	0.24	0.	0.	0.24	0.72	0.	0.
		L	0.	0.	0.	0.24	0.	0.	0.	0.21	0.	0.
I		R	0.	0.	0.	0.	0.	0.	0.22	0.69	0.	0.
•	120	A	0.	0.	0.	0.19	0.	0.	0.22	0.73	0.	0-
		L	0.	0.	0.	0.19	0.	0.	0.	0.23	0.	0 °
_	0.40	T A 81/	CE WA		OC TH M		TTC 1	250 60	CM 05			

TABLE 39 CONT.

1	FIL	TER 3	AT	0014 AS		INSOL AN	IGLE 9	3.4 D	EG		
	SPE	CTRAL	BAND	2.37 T	0 2.8	0 MI	CRONS	ELEV	ATION	22.3	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.	0.	0.26	0.67	0.	0.
130	A	0.	0.	0.18	0.21	0.	0.	0.26	0.71	0.	0.
	L	0.	0.	0.18	0.21	0.	0.	0.	0.24	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.23	0.72	0.	0.
140	A	0.	0.	0.	0.23	0.	0.	0.23	0.76	0.	0.
	Ł	0.	0.	0.	0.23	0.	0.	0.	0.24	0.	0.
	R	0.	0.	0.	0.17	0.	0.	0.25	0.66	0.	0.
150	A	0.	0.	0.	0-28	0.	0.	0.25	0.70	0.	0.
	L	0.	0.	0.	0.23	0.	0.	0.	0.22	0.	0.
	R	0.	0.	0.	0.19	0.	0.	0.21	0.73	0.	0.
160	A	0.	0.	0.	0.32	0.	0.	0.30	0.76	0.	0.
	L	0.	0.	0.	0.25	0.	0.	0.21	0.23	0.	0.
	R	0.	0.	0.	0.23	0.	0.	0.29	11.09	0.24	0.
170	A	0.	0.	0.	0.32	0.	0.	0.35	19.63	0.24	0.
	L	0.	0.	0.	0.22	0.	0.	0.21	16.20	0.	0.
	R	0.	0.	0.	0.22	0.	0.	0.27	15.34	0.30	0.
180	A	0.	0.	0.	0.31	c.	0.	0.35	22.96	0.30	0.
	L	0.	0.	0.	0.22	0-	0.	0.22	17.08	0.	0.
0.40	T A & 6	CE VAL		DE IN M	TCDOWA	TTC	DED 50	CM DE	D CTED	ADIAN	

TABLE 39 CONT.

IR NUMBER OF OBSERVATIONS AS A FUNCTION OF SCATTERING ANGLE

	FILTE	R 3	AT 00	14 46	. •		1.0	ISOL AN	CI	3.4 DE	:c
I	SPECT			.37 1		O MICR			ATION		KM
		0	10	20	30	40	50	60	70	80	90
I	SA O	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
_	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
I	20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
I	30	0.	0.	0.	0.	0.	0.	0.	135.	0.	0.
E	40	0.	0.	0.	0.	0.	792.	180.	342.	0.	0-
	50	0.	0.	0.	0.	0.	585.	195.	314.	0.	0.
	60	0.	0.	0.	0.	0.	578.	240.	345.	0.	0.
	70	0.	0.	0.	555.	0.	524.	225.	285.	0.	0.
	80	0.	0.	0.	435.	0.	120.	210.	375.	0.	0.
	90	0.	0.	0.	345.	0.	0.	210.	360.	0.	0.
I	100	0.	0.	45.	315.	0.	0.	225.	345.	0.	0.
IT	110	0.	0.	0.	1185.	0.	0.	180.	345.	0.	0.
	120	0.	0.	0.	0.	0.	0.	165.	405.	0.	0.
ſ	130	0.	0.	0.	0.	0.	0.	225。	360.	0.	0.
-	140	0.	0.	0.	0.	0.	0.	660.	435.	0.	0.
I	150	0.	0.	0.	0.	0.	0.	120.	375.	0.	0.
•	160	0.	0.	0.	0.	0.	0.	0.	898.	43.	0.
	170	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
•	180	0.	0.	0.	0.	0.	0.	0.	0-	0.	0-
-	RADIANCE	VAL	UES ARE	IN	41 CROWA	TTS PE	R SQ.	CM. PE	R STER	ADIAN	•

TABLE 40

VA 0 10 20 30 40 50 60 70 80 90 SA O 0. <th></th> <th>FILTER</th> <th>3 AT</th> <th>SOL AN</th> <th>IGLE 9</th> <th>3.4 D</th> <th>EG</th>		FILTER	3 AT	SOL AN	IGLE 9	3.4 D	EG				
SA		SPECTRAI	L BAND	2.37 T	0 2.8	0 MI	RONS	ELEV	ATION	22.3	KM
SA											
10 0. <td< th=""><th></th><th></th><th>10</th><th>20</th><th>30</th><th>40</th><th>50</th><th>60</th><th>70</th><th>80</th><th>90</th></td<>			10	20	30	40	50	60	70	80	90
20 0. <td< th=""><th>0</th><th>0.</th><th>0.</th><th>0.</th><th>0.</th><th>0.</th><th>0.</th><th>0.</th><th>0.</th><th>0.</th><th>0.</th></td<>	0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
30 0. 0. 0. 0. 0. 37.33 0. 0. 40 0. 0. 0. 0. 0.79 1.83 31.46 0. 0. 50 0. 0. 0. 0. 0.58 2.20 17.98 0. 0. 60 0. 0. 0. 0. 0.74 2.35 23.81 0. 0. 70 0. 0. 0. 1.07 0. 1.49 2.05 22.59 0. 0. 80 0. 0. 0. 1.84 0. 1.99 1.85 20.58 0. 0. 90 0. 0. 0. 1.83 0. 0. 1.82 21.24 0. 0. 100 0. 0. 1.83 0. 0. 1.95 22.32 0. 0. 110 0. 0. 0. 1.81 0. 0. 2.11 22.32 0. 0. 120 0. 0. 0. 0. 0.	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
40 0. 0. 0. 0. 0.79 1.83 31.46 0. 0. 50 0. 0. 0. 0. 0.58 2.20 17.98 0. 0. 60 0. 0. 0. 0. 0.74 2.35 23.81 0. 0. 70 0. 0. 0. 1.07 0. 1.49 2.05 22.59 0. 0. 80 0. 0. 0. 1.84 0. 1.99 1.85 20.58 0. 0. 90 0. 0. 0. 1.83 0. 0. 1.82 21.24 0. 0. 100 0. 0. 1.62 1.70 0. 0. 1.95 22.32 0. 0. 110 0. 0. 0. 0. 0. 2.11 22.32 0. 0. 120 0. 0. 0. 0. 2.15 20.64 0. 0. 130 0. 0. 0. 0. 0.	20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50 0. 0. 0. 0.58 2.20 17.98 0. 0. 60 0. 0. 0. 0.74 2.35 23.81 0. 0. 70 0. 0. 0. 1.07 0. 1.49 2.05 22.59 0. 0. 80 0. 0. 0. 1.84 0. 1.99 1.85 20.58 0. 0. 90 0. 0. 0. 1.83 0. 0. 1.82 21.24 0. 0. 100 0. 0. 1.62 1.70 0. 0. 1.95 22.32 0. 0. 110 0. 0. 1.81 0. 0. 2.11 22.32 0. 0. 120 0. 0. 0. 0. 0. 2.11 22.32 0. 0. 130 0. 0. 0. 0. 0. 2.31 19.83 0. 0. 140 0. 0. 0. 0. 0. 2.31	30	0.	0.	0.	0.	0.	0.	0.	37.33	0.	0.
60 0. 0. 0. 0.74 2.35 23.81 0. 0. 70 0. 0. 0. 1.07 0. 1.49 2.05 22.59 0. 0. 80 0. 0. 0. 1.84 0. 1.99 1.85 20.58 0. 0. 90 0. 0. 0. 1.83 0. 0. 1.82 21.24 0. 0. 100 0. 0. 1.62 1.70 0. 0. 1.95 22.32 0. 0. 110 0. 0. 0. 1.81 0. 0. 2.11 22.32 0. 0. 120 0. 0. 0. 0. 0. 2.11 22.32 0. 0. 130 0. 0. 0. 0. 0. 2.15 20.64 0. 0. 140 0. 0. 0. 0. 0. 2.31 19.83 0. 0. 150 0. 0. 0. 0.	40	0.	0.	0.	0.	0.	0.79	1.83	31.46	0.	0.
70 0. 0. 0. 1.07 0. 1.49 2.05 22.59 0. 0. 80 0. 0. 0. 1.84 0. 1.99 1.85 20.58 0. 0. 90 0. 0. 0. 1.83 0. 0. 1.82 21.24 0. 0. 100 0. 0. 1.62 1.70 0. 0. 1.95 22.32 0. 0. 110 0. 0. 0. 1.81 0. 0. 2.11 22.32 0. 0. 120 0. 0. 0. 0. 2.11 22.32 0. 0. 130 0. 0. 0. 0. 0. 2.15 20.64 0. 0. 140 0. 0. 0. 0. 0. 2.31 20.42 0. 0. 150 0. 0. 0. 0. 0. 2.29 22.12 0. 0. 160 0. 0. 0. 0.	50	0-	0.	0.	0.	0.	0.58	2.20	17.98	0.	0.
80 0. 0. 1.84 0. 1.99 1.85 20.58 0. 0. 90 0. 0. 0. 1.83 0. 0. 1.82 21.24 0. 0. 100 0. 0. 1.62 1.70 0. 0. 1.95 22.32 0. 0. 110 0. 0. 0. 1.81 0. 0. 2.11 22.32 0. 0. 120 0. 0. 0. 0. 0. 2.11 22.32 0. 0. 130 0. 0. 0. 0. 0. 2.15 20.64 0. 0. 140 0. 0. 0. 0. 0. 2.31 19.83 0. 0. 150 0. 0. 0. 0. 0. 2.31 20.42 0. 0. 160 0. 0. 0. 0. 0. 0. 22.28 22.12 0. 0. 170 0. 0. 0. 0.	60	0.	0.	0.	0.	0.	0.74	2.35	23.81	0.	0.
90 0. 0. 0. 1.83 0. 0. 1.82 21.24 0. 0. 100 0. 0. 1.62 1.70 0. 0. 1.95 22.32 0. 0. 110 0. 0. 0. 1.81 0. 0. 2.11 22.32 0. 0. 120 0. 0. 0. 0. 0. 0. 0. 2.15 20.64 0. 0. 130 0. 0. 0. 0. 0. 0. 0. 2.31 19.83 0. 0. 140 0. 0. 0. 0. 0. 0. 0. 2.31 20.42 0. 0. 150 0. 0. 0. 0. 0. 0. 0. 2.29 22.12 0. 0. 160 0. 0. 0. 0. 0. 0. 0. 0. 2.29 22.12 0. 0. 170 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	70	0.	0.	0.	1.07	0.	1.49	2.05	22.59	0.	0.
100 0. 0. 1.62 1.70 0. 0. 1.95 22.32 0. 0. 110 0. 0. 0. 1.81 0. 0. 2.11 22.32 0. 0. 120 0. 0. 0. 0. 0. 2.15 20.64 0. 0. 130 0. 0. 0. 0. 0. 2.31 19.83 0. 0. 140 0. 0. 0. 0. 0. 2.31 20.42 0. 0. 150 0. 0. 0. 0. 0. 2.29 22.12 0. 0. 160 0. </th <th>80</th> <th>0.</th> <th>0.</th> <th>0.</th> <th>1.84</th> <th>0.</th> <th>1-99</th> <th>1.85</th> <th>20.58</th> <th>0.</th> <th>0.</th>	80	0.	0.	0.	1.84	0.	1-99	1.85	20.58	0.	0.
110 0. 0. 0. 1.81 0. 0. 2.11 22.32 0. 0. 120 0. 0. 0. 0. 0. 0. 2.15 20.64 0. 0. 130 0. 0. 0. 0. 0. 0. 2.31 19.83 0. 0. 140 0. 0. 0. 0. 0. 2.31 20.42 0. 0. 150 0. 0. 0. 0. 0. 2.29 22.12 0. 0. 160 0. 0. 0. 0. 0. 0. 22.84 2.98 0. 170 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	90	0.	0.	0.	1.83	0.	0.	1.82	21.24	0.	0.
120 0. 0. 0. 0. 0. 2.15 20.64 0. 0. 130 0. 0. 0. 0. 0. 0. 2.31 19.83 0. 0. 140 0. 0. 0. 0. 0. 0. 2.31 20.42 0. 0. 150 0. 0. 0. 0. 0. 2.29 22.12 0. 0. 160 0. 0. 0. 0. 0. 0. 0. 0. 0. 170 0. 0. 0. 0. 0. 0. 0. 0. 0.	100	0.	0.	1.62	1.70	0.	0.	1.95	22.32	0.	0.
130 0. 0. 0. 0. 0. 2.31 19.83 0. 0. 140 0. 0. 0. 0. 0. 0. 2.31 20.42 0. 0. 150 0. 0. 0. 0. 0. 0. 2.29 22.12 0. 0. 160 0. 0. 0. 0. 0. 0. 22.84 2.98 0. 170 0. 0. 0. 0. 0. 0. 0. 0. 0.	110	0.	0.	0.	1.81	0.	0.	2.11	22.32	0.	0.
140 0. <t< th=""><th>120</th><th>0.</th><th>0.</th><th>0.</th><th>0.</th><th>0.</th><th>0.</th><th>2.15</th><th>20.64</th><th>0.</th><th>0.</th></t<>	120	0.	0.	0.	0.	0.	0.	2.15	20.64	0.	0.
150 0. 0. 0. 0. 0. 0. 2.29 22.12 0. 0. 160 0. 0. 0. 0. 0. 0. 0. 22.84 2.98 0. 170 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	130	0.	0.	0.	0.	0.	0.	2.31	19.83	0.	0.
160 0. 0. 0. 0. 0. 0. 0. 22.84 2.98 0. 170 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	140	0.	0.	0.	0.	0.	0 .	2.31	20.42	0.	0.
170 0. 0. 0. 0. 0. 0. 0. 0. 0.	150	0.	0.	0.	0.	0.	0.	2.29	22.12	0.	0.
	160	0.	0.	0.	0.	0.	0.	0.	22.84	2.98	0.
180 0. 0. 0. 0. 0. 0. 0. 0. 0.	170	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	180	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

VIEWING ANGLE AND SCATTERING ANGLE ARE IN DEGREES.

TABLE 41

	FILTER 3 AT			0014 AS	T		IN	SOL A	NGLE 9	3.4 D	EG
I	SPE	CTRAL	BAND	2.37 T	0 2.8	01M OI	RONS	ELE	MOITAV	22.3	KM
I											
•	SA VA	0	10	20	30	40	50	60	70	80	90
ı	0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
I	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
I	30	0.	0.	0.	0.	0.	0.	0.	0.75	0.	0.
E	40	0.	0.	0.	0.	0.	0.42	0.24	9.49	0.	0.
I	50	0.	0.	0.	0.	0.	0.28	0.28	15.90	0.	0.
	60	0.	0.	0.	0.	0.	0.49	0.24	17.71	0.	0.
EL.	70	0.	0.	0.	0.38	0.	0.43	0.26	18.53	0.	0.
	80	0.	0.	0.	0.21	0.	0.22	0.23	18.73	0.	0.
11	90	0.	0.	0.	0.22	0.	0.	0-20	18.75	0.	0.
	100	0.	0.	0.18	0.24	0.	0.	0.21	18.30	0.	0.
	110	0.	0.	0.	0.24	0.	0.	0.22	17.72	0.	0.
U	120	0.	0.	0.	0.	0.	0.	0.26	17.71	0.	0.
	130	0.	0.	0.	0.	0.	0.	0.23	17.34	0.	0.
•	140	0.	0.	0.	0.	0.	0.	0.30	17.32	0.	0.
I	150	0.	0.	0.	0.	0.	0.	0.24	17.23	0.	0.
	160	0.	0.	0.	0.	0.	0.	0.	16.87	0.26	0.
	170	0.	0.	0.	0.	0.	0.	0-	0-	0.	0.
	180	0.	0.	0.	0.	0.	0.	0.	0-	0.	0.
_	RADIAN	CE VAL	.UES A	RE IN M	ICROWA	TTS F	ER SQ.	CM. PE	ER STER	AD I AN	•

TABLE 42

VIEWING ANGLE AND SCATTERING ANGLE ARE IN DEGREES.

FILTER 2 AT 0020 AST

INSOL ANGLE 93.4 DEG

	SPE	CTRAL	BAND	2.63 1	0 2.8	O MICR	ONS	ELEV	ATION	23.6	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	135.	0.	0.	0.	90.	0.	0-
C	A	0.	0.	0.	158.	0.	0.	0.	75.	0.	0.
	L	0.	0.	0.	180.	0.	0.	0.	60.	0.	0.
	R	0.	0.	0.	240.	0.	0.	0.	90.	0.	0.
10	A	0.	0.	0.	225.	0.	0.	0.	120.	0.	0.
	L	0.	0.	0.	210.	0.	0.	0.	150.	0.	0.
	R	0.	0.	0.	240.	0.	0.	0.	127.	0.	0-
20) A	0.	.0•	0.	240.	0.	0.	0.	124.	0.	0.
	L	0.	0.	0.	239.	0.	0.	0.	120.	0.	0-
	R	0.	0.	0.	270.	0.	0.	0.	73.	0.	0.
30) A	0.	0.	0.	180.	0.	0.	0.	119.	0.	0-
	L	0.	0.	0.	90.	0.	0.	0.	164.	0.	0.
	R	0.	0.	0.	180.	0.	0.	0.	150.	0-	0.
40	A	0.	0.	0.	90.	0.	0.	0.	135.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	120.	0.	0.
	R	0.	0.	0.	224.	0.	0.	0.	164.	0.	0.
50	A	0.	0.	0.	112.	0.	39。	0.	155.	0.	0.
	L	0.	0.	0.	0.	0.	78.	0.	146.	0.	0.
	R	0.	0.	0.	193.	0.	0.	0.	150.	0.	0.
60	A	0.	0.	0.	97.	0.	54.	0.	90.	0.	0.
	L	0.	0.	0-	0.	0.	108.	0.	29.	0.	0.

TABLE 43

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

П	FILTE	R 2	AT 00	20 AS	T		IN	ISOL AN	GLE S	93.4 DI	FG
Π			BAND 2								
11	VA SA	0	10	20 .	30	40	50	60	70	80	90
1	R	0.	0.	0.	202.	0.	0.	0.	135.	30.	0.
I	70 A	0.	0.	0.	101.	0.	68.	0.	68.	15.	0.
	L	0.	0.	0.	0.	0.	135.	0.	0.	0.	0.
	R	0.	0-	0.	75.	0.	0.	0.	150.	0.	0.
	A 08	0.	0.	0.	38.	0.	75.	0.	75.	0.	0.
	L	0.	0.	0.	0.	0.	150.	0.	0.	0.	0.
	R	0.	0.	0.	192.	0.	0.	0.	165.	0.	0.
1!	90 A	0.	0.	0.	96.	0.	73.	0.	83.	0.	0.
	L	0.	0.	0.	0.	0.	145.	0.	0.	0.	0.
	R	0.	0.	0.	131.	0.	0.	0.	238.	0.	0.
	100 A	0.	0.	0.	66.	0.	59.	0.	119.	0.	0.
	L	0.	0.	0.	0.	0.	117.	0.	0.	0.	0.
11	R	0.	0.	0.	0.	0.	0.	0.	207.	0.	0.
	110 A	0-	0.	0.	0.	0.	83.	0.	104.	0.	0.
	L	0.	0.	0.		0.	165.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	13.	0.	165.	0.	0.
I	120 A	0.	0.	0.	0.		82.	0.	83.	0.	0.
E	L	0.	0.	0.	0.	0.	150.	0.	0.		0.
1	RADI ANCE	VAL	UES ARE	IN M	ICROWA	TTS PE	R SQ.	CM. PE	R STER	ADIAN	,

TABLE 43 CONT.

FILTER 2 AT 0020 AST INSOL ANGLE 93.4 DEG

SPECTRAL BAND 2.63 TO 2.80 MICRONS ELEVATION 23.6 KM

SA	/A	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.	49.	0.	0.	0.	0.
130	A	0-	0.	0.	0.	0.	98.	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	147。	0.	0.	0.	0-
	R	0.	0.	0.	0.	0.	156.	0.	0.	0.	0.
140	A	0-	0.	0.	0.	0.	153.	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	150。	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	150.	0.	320.	0.	0-
150	A	0.	0.	0.	0.	0.	135.	0.	160.	0.	0-
	L	0.	0.	0.	0.	0.	120.	0.	0.	0.	0-
	R	0.	0.	0.	0.	0.	148.	0.0	1832.	0.	0-
160	A	0.	0.	0.	0.	0.	148.	0.	916.	0.	0.
	L	0.	0.	0.	0.	0.	147.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	164.	0.	432.	0.	0.
170	A	0.	0.	0.	0.	0.	139.	0.	216.	0.	0.
	L	0.	0.	0.	0.	0。	113.	0.	0.	0.	0.
	R	0.	0.	0-	0.	0.	59 c	0.	149.	0.	0.
	A	0.	0.	0.	0.	0.	66.	0.	90.	0.	0.
	L	0.	0.	0.	0.	0.	72.	0.	30-	0.	0.

TABLE 43 CONT.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

•	. IF	TER	2 AT	0020 AS	51		1.0	IZUL A	NGLE 9	3.4 D	E6
S	PE	CTRAL	BAND	2.63 1	0 2.8	O MI	CRONS	ELE	VATION	23.6	KM
SA V	/A	0	10	20	30	40	50	60	70	80	9(
	R	0.	0.	0.	0.16	0.	0.	0.	0.55	0.	0
0	A	0.	0.	0.	0.16	0.	0.	0.	0.45	0.	0
	L	0.	0.	0.	0.16	0.	0.	0.	0.30	0.	0
	R	0.	0.	0.	0.16	0.	0.	0.	1.71	0.	0
10	A	0.	0.	0.	0.16	0.	0.	0.	0.75	0.	0
	L	0.	0.	0.	0.15	0.	0.	0.	0.17	0.	0
	R	0.	0.	0.	0.16	0.	0.	0.	11-44	0.	0
20	A	0.	0-	0.	0.16	0.	0.	0.	5.95	0.	0
	Ĺ	0.	0.	0.	0.17	0.	0.	0.	0.14	0.	0
	R	0.	0.	0.	0.19	0.	0.	0.	8.39	0-	0
30	A	0.	0.	0.	0.19	0.	0.	0.	2.71	0.	0
	L	0.	0.	0.	0.17	0.	0.	0.	0.18	0.	0
	R	0.	0.	0.	0.20	0.	0.	0.	1-34	0.	0
40	A	0.	0.	0.	0.20	0.	0.	0.	0.84	0.	0
	L	0.	0.	0.	0.	0.	0.	0.	0.20	0.	0
	R	0.	0.	0.	0.17	0.	0.	0.	0.34	0.	0
50	A	0.	0.	0.	0.17	0.	0.51	0.	0.32	0.	0
	L	0.	0.	0.	0.	0.	0.51	0.	0.29	0.	0
	R	0.	0.	0.	0.24	0.	0.	0.	0.28	0.	0
60	A	0.	0.	0.	0-24	0.	0.40	0.	0.29	0.	0
	L	0.	0.	0.	0.	0.	0.40	0.	0.34	0.	0

TABLE 44

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

	FIL	TER 2	AT 0	020 AS	T		IN	ISOL AN	GLE 9	3-4 D	EG
	SPE	CTRAL	BAND	2.63 T	0 2.8	O MICR	ONS	ELEV	ATION	23.6	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.29	0.	0.	0.	0.22	0.23	0.
70	A	0.	0.	0.	0.29	0.	0.21	0.	0.22	0.23	0.
	L	0.	0.	0.	0.	0.	0.21	0.	0.	0.	0.
	R	0.	0.	0.	0.18	0.	0.	0.	0.15	0.	0.
80	A	0.	0.	0.	0.18	0.	0.18	0.	0.15	0.	0.
	L	0.	0.	0.	0.	0.	0.18	0.	0.	0.	0.
	R	0.	0.	0.	0.21	0.	0.	0.	0.29	0.	0.
90	A	0.	0.	0.	0.21	0.	0.29	0.	0.29	0.	0-
	L	0.	0.	0.	0.	0.	0.29	0.	0.	0.	0.
	R	0.	0.	0.	0.29	0.	0.	0.	0.20	0.	0.
100	A	0.	0.	0.	0.29	0.	0.31	0.	0.20	0.	0.
	L	0.	0.	0.	0.	0.	0.31	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0 。	0.29	0.	0.
110	A	0.	0-	0.	0.	0.	0.19	0.	0.29	0.	0.
	L	0.	0.	0.	0.	0.	0.19	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.42	0 °	0.20	0.	0.
120	A	0.	0.	0.	0.	0.	0.16	0.	0.20	0.	0.
	L	0.	0.	0.	0.	0.	0.14	0.	0.	0.	0.

TABLE 44 CONT.

ı	FIL	TER :	2 · AT	00 20 A	\ST		IN	ISOL	ANGLE 9	3.4 D	EG
:	SPE	CTRAL	BAND	2.63	TO 2.	BO MI	CRONS	EL	EVATION	23.6	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
3.	R	0.	0.	0.	0.	0.	0.45	0.	0.	0.	0.
130		0.	0.	0.	0.	0.	0.25		0.		
130								0.		0.	0.
	L	0.	0.	0.	0.	0.	0-19	0.	0.	0.	0.
	R	0.	0.	0.	0.	0-	0.30	0.	0.	0.	0.
140	A	0.	0.	0.	0.	0.	0.26	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.21	0.	0.	0-	0-
	R	0.	0.	0.	0.	0.	0.20	0.	0.25	0.	0.
150	A	0.	0.	0.	0.	0.	0.19	0.	0.25	0-	0.
	L	0.	0.	0.	0.	0.	0-19	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0-22	0.	0.20	0.	0.
160	A	0-	0.	0.	0.	0.	0.23	0.	0.20	0.	0.
	L	0.	0.	0.	0.	0.	0.24	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.27	0.	0.18	0.	0.
170	A	0.	0.	0.	0.	0.	0.30	0.	0.18	0.	0.
	L	0.	0.	0.	0.	0.	0.35	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.31	0.	0.21	0.	0.
180	A	0.	0.	0.	0.	0.	0.34	0.	0.21	0.	0.
	L	0.	0.	0-	0.	0.	0.36	0.	0.21	0.	0.
RAD	IANO	CE VAI	LUES A	RE IN	MICROWA	ATTS	PER SQ.	CM.	PER STER	ADIAN	•

TABLE 44 CONT.

i	FIL	TER	2 AT	0020 AS	5 T			INSOL	ANGLE	93.4 [EG
	SPE	CTRAL	BAND	2.63	ro 2.8	O MI	CRONS	EI	LEVATION	23.6	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.12	0.	0.	0.	0.25	0.	0-
0	A	0.	0.	0.	0.16	0.	0.	0.	0.30	0.	0.
	L	0.	0.	0.	0.11	0.	0.	0.	0.16	0.	0.
	R	0.	0.	0.	0.12	0.	0.	0.	0.71	0.	0.
10	A	0.	0.	0.	0.17	0.	0.	0.	0.72	0-	0-
	L	0.	0.	0.	0.12	0.	0.	0.	0.14	0.	0.
	R	0.	0.	0.	0.12	0.	0.	0.	6.69	0.	0.
20	A	0.	0.	0.	0.17	0.	0.	0.	6.69	0.	0.
	Ł	0.	0.	0.	0.11	0.	0.	0.	0.11	0.	0.
	R	0.	0.	0.	0.15	0.	0.	0-	6.92	0.	0.
30	A	0.	0.	0.	0.20	0.	0.	0.	6.92	0.	0.
	L	0.	0.	0.	0.13	0.	0.	0.	0.13	0.	0.
	R	0.	0.	0.	0.13	0.	0.	0.	0.58	0.	0.
40	A	0.	0.	0.	0.13	0.	0.	0.	0.60	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.14	0.	0.
	R	0-	0.	0.	0.13	0.	0.	0.	0.21	0.	0.
50	. A	0.	0.	0.	0-13	0.	0-1	3 0.	0.26	0.	0.
	L	0.	0.	0.	0.	0.	0.1	3 0.	0.16	0.	0.
	R	0.	0.	0.	0-16	0.	0.	0.	0.18	0.	0.
60	A	0.	0.	0.	0.16	0.	0.1	6 0.	0.23	0.	0-
	L	0-	0.	0.	0-	0.	0.1	6 0.	0.15	0.	0.

()	1	FIL	TER	2 AT	0020 AS	T		IN	SOL	ANGLE 9	3.4 D	EG
	:	SPE	CTRAL	BAND	2.63 T	0 2.8	0 MI	CRONS	El	EVATION	23.6	KM
	SA	VA	0	10	20	30	40	50	60	70	80	90
		R	0.	0.	0.	0.18	0.	0.	0.	0.16	0.17	0.
	70	A	0.	0.	0.	0.18	0.	0.16	0.	0.16	0-17	0.
		L	0.	0.	0.	0.	0.	0.16	0.	0.	0.	0.
		R	0.	0.	0.	0.14	0.	0.	0.	0.11	0.	0.
•	80	A	0.	0.	0.	0.14	0.	0.13	0.	0.11	0.	0.
		L	0.	0.	0.	0.	0.	0.13	0.	0.	0.	0.
Į		R	0.	0.	0.	0.15	0.	0.	0.	0.20	0.	0.
	90	A	0.	0.	0.	0.15	0.	0.16	0.	0.20	0.	0.
		L	0.	0.	0.	0.	0.	0.16	0.	0.	0.	0.
r:		R	0.	0.	0.	0.17	0.	0.	0.	0.15	0.	0.
Processor (Terrans	100	A	0.	0.	0.	0.17	0.	0.16	0-	0.15	0.	0.
		L	0.	0.	0.	0.	0.	0.16	0.	0.	0.	0.
		R	0.	0.	0.	0.	0.	0.	0.	0.16	0.	0.
	110	A	0.	0.	0.	0.	0.	0.15	0.	0.16	0.	0.
		L	0.	0.	0.	0.	0.	0.15	0.	0.	0.	0.
		R	0.	0.	0.	0.	0.	0.09	0.	0.14	0.	0.
I	120	A	0.	0.	0.	0.	0.	0.15	0.	0.14	0.	0.
E		L	0.	0.	0.	0.	0.	0.12	0.	0.	0.	0.

TABLE 45 CONT.

	FIL	TER 2	AT	0020 AS	ST .		IN	SOL A	NGLE 9	3.4 D	EG
	SPE	CTRAL	BAND	2.63 1	10 2.	80 MIC	RONS	ELE	VATION	23.6	KM
S	VA A	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.	0.22	0.	0.	0.	0.
130	D A	0.	0.	0.	0.	0.	0.26	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.15	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.18	0.	0.	0.	0.
140	A	0.	0.	0.	0.	0.	0.23	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.15	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.14	0.	0.16	0.	0.
150	A	0.	0.	0.	0.	0.	0.20	0.	0.16	0.	0.
	L	0.	0.	0.	0.	0.	0.14	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.15	0.	0.15	0.	0.
160	A C	0.	0.	0.	0.	0.	0.21	0.	0.15	0.	0.
	L	0.	0.	0.	0.	0.	0.15	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.15	0.	0.14	0.	0.
170	A	0.	0.	0.	0.	0.	0.22	0.	0.14	0.	0.
	L	0.	0.	0.	0.	0.	0.16	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.15	0.	0.16	0.	0.
180	A	0.	0.	0.	0.	0.	0.22	0.	0.20	0.	0.
	L	0.	0.	0.	0.	0.	0.16	0.	0.13	0.	0.

TABLE 45 CONT.

	FILTE		AT 00	20.46	• •		7.44	COL AL	1C1 E 1	32 4 N	Er
	SPECT			63 1		O MICR			IGLE S		KM
1		0	10	20	30	40	50	60	70	80	90
E	SA	_	•	•	•			•	•	•	•
	0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	10	0.	0.	0.	0.	0.	0.	0.	240。	0.	0.
	20	0.	0.	0.	0.	0.	0.	0.	313.	0.	0-
A	30	0-	0.	0.	0.	0.	0.	0.	277.	0.	0.
n	40	0.	0.	0.	0.	0.	0.	0.	269.	0.	0.
	50	0.	0.	0.	0.	0.	0.	0.	310.	0.	0.
П	60	0.	0.	0.	1649.	0.	111.	0.	224.	0.	0.
	70	0.	0.	0.	552.	0.	180.	0.	135.	30.	0.
	80	0.	0.	0.	277.	0.	195.	0.	165.	0.	0.
Į į	90	0.	0.	0.	323.	0.	188。	0.	194.	0.	0.
	100	0.	0.	0.	0.	0.	194.	0.	254.	0.	0.
	110	0.	0.	0.	0.	0.	250.	0.	192.	0.	0.
	120	0.	0.	0.	0.	0.	430.	0.	120.	0.	0.
П	130	0.	0.	0.	0.	0.	802.	0.	0.	0.	0.
	140	0.	0.	0.	0.	0.	186.	0.	25。	0.	0.
	150	0.	0.		0.		0.		1858.	0.	
u	160	0.	0.	0.		0.			880.	0.	0.
	170	0.	0.			0.			0.		0.
_			0.	0.			0.		0.	0.	0.
I	180	0.									
	RADIANCE	VAL	NE2 AKE	IN	TICKUWA	112 PE	K 24.	UM. Pt	:K 3161	KAU I AN	•

TABLE 46

FILT	TER 2	AT O	20 AS	r		IN:	SOL AND	GLE 9	3.4 DE	G
SPEC	TRAL	BAND 2	2.63 T	2.80	MICR	DNS	ELEV	ATION :	23.6 1	KM
VA	0	10	20	30	40	50	60	70	80	90
)	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
)	0.	0.	0.	0.	0.	0.	0.	0.45	0.	0.
)	0.	0.	0.	0.	0.	0.	0.	1.94	0.	0.
)	0.	0.	0.	0.	0.	0.	0.	5.76	0.	0.
)	0.	0.	0.	0.	0.	0.	0.	0.96	0.	0.
)	0.	0.	0.	0.	0.	0.	0.	0.33	0.	0.
)	0.	0.	0.	0.17	0.	0.50	0.	0.29	0.	0.
)	0.	0.	0.	0.20	0.	0.28	0.	0.22	0.23	0.
)	0.	0.	0.	0.26	0.	0.18	0.	0.17	0.	0.
)	0.	0.	0.	0.24	0.	0.31	0.	0.26	0.	0.
)	0.	0.	0.	0.	0.	0.23	0.	0.23	0.	0.
)	0.	0.	0.	0.	0.	0.18	0.	0.28	0.	0.
)	0.	0.	0.	0.	0.	0.25	0.	0.18	0.	0.
)	0.	0.	0.	0.	0.	0.24	0.	0.	0.	0.
)	0.	0.	0.	0.	0.	0.33	0.	0.42	0.	0.
)	0.	0.	0.	0.	0.	0.	0.	0.21	0.	0.
)	0.	0.	0.	0.	0.	0.	0.	0.19	0.	0.
)	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
)	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	VA VA O O O O O O O O O O O O O	SPECTRAL (VA O O O O O O O O O O O O O O O O O O O	SPECTRAL BAND : VA	SPECTRAL BAND 2.63 TO VA 0 10 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	SPECTRAL BAND 2.63 TO 2.86 VA 0 10 20 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	SPECTRAL BAND 2.63 TO 2.80 MICRO VA 0 10 20 30 40 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0.	SPECTRAL BAND 2.63 TO 2.80 MICRONS VA 0 10 20 30 40 50 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	SPECTRAL BAND 2.63 TO 2.80 MICRONS ELEVALUATION ELEVALUATION ELEVALUATION ELEVALUATION STATEMENT OF THE PROPERTY OF THE PROPER	SPECTRAL BAND 2.63 TO 2.80 MICRONS ELEVATION : VA 0 10 20 30 40 50 60 70 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	SPECTRAL BAND 2.63 TO 2.80 MICRONS ELEVATION 23.6 1 VA 0 10 20 30 40 50 60 70 80 0 0.

TABLE 47

	FILTER	2 AT	0020	AST		IN	ISOL	ANGLE 9	3.4 D	EG
	SPECTR	AL BAND	2.63	TO 2.	BO MI	CRONS	EI	LEVATION	23.6	KM
SA	VA O	10	20	30	40	50	60	70	80	90
0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.	0.	0.33	0.	0.
20	0-	0.	0.	0.	0.	0.	0.	2.97	0.	0.
30	0-	0.	0.	0.	0.	0.	0.	8.06	0.	0.
40	0-	0.	0.	0.	0.	0.	0.	0.89	0.	0.
50	0-	0.	0.	0.	0.	0.	0.	0.20	0.	0.
60	0.	0.	0.	0.12	0.	0.13	0.	0.18	0.	0.
70	0-	0.	0.	0.14	0.	0.18	0.	0.16	0.17	0.
80	0.	0.	0.	0.17	0.	0.14	0.	0.12	0.	0.
90	0-	0.	0.	0.16	0.	0.16	0.	0.20	0.	0.
100	0.	0.	0.	0.	0.	0.16	0.	0.16	0.	0.
110	0.	0.	0.	0.	0.	0.17	0.	0.15	0.	0.
120	0-	0.	0.	0.	0.	0.18	0.	0.13	0.	0.
130	0.	0.	0.	0.	0.	0.15	0.	0.	0.	0.
140	0.	0.	0.	0.	0.	0.16	0.	0.14	0.	0.
150	0-	0.	0.	0.	0.	0.	0.	0.15	0.	0.
160	0-	0.	0.	0.	0.	0.	0.	0.14	0.	0.
170	0-	0.	0.	0.	³ 0•	0.	0.	0.	0.	0.
180	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
RAD	IANCE	VALUES	ARE IN	MICROWA	ATTS I	PER SQ.	CM.	PER STER	ADIAN	•

VIEWING ANGLE AND SCATTERING ANGLE ARE IN DEGREES.

TABLE 48

FILTER 1 AT 0024 AST INSOL ANGLE 93.3 DEG

;	SPE	CTRAL	BAND	2.50 T	0 2.8	O MICR	ONS	ELEV	ATION	24-4	KM
SA	/A	0	10	20	30	40	50	60 -	70	80	90
	R	0.	0.	0.	104.	0.	0.	30.	58.	0.	0.
0	A	0.	0.	0.	104.	0.	0.	15.	97.	0.	0.
	L	0.	0.	0.	104.	0.	0.	0.	135.	0.	0.
	R	0.	0-	0.	134.	0.	0.	75。	281.	0.	0.
10	A	0.	0.	0.	149.	0.	0.	38.	261.	0.	0.
	L	0.	0.	0.	164.	0.	0.	0.	240.	0.	0.
	R	0.	0.	0.	163.	0.	0.	90.	210.	0.	0.
20	A	0.	0.	0.	149.	0.	0.	45.	195.	0.0	0.
	L	0.	0.	0.	135。	0.	0.	0.	180.	0.	0.
	R	0.	0.	0.	89.	0.	0.	105.	283.	0.	0.
30	A	0.	0.	0.	149.	0.	0.	53。	202.	0.	0.
	L	0.	0.	0.	209.	0.	0.	0.	120.	0.	0.
	R	0.	0.	0.	165.	0.	0.	135。	210.	0.	0.
40	A	0.	0.	0.	120.	0.	0.	68。	105.	0.	0.
	L	0.	0.	0.	75.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	163.	0.	0.	135。	225.	0.	0.
50	A	0.	0.	0.	187.	0.	0.	68.	113.	0.	0.
	L	0.	0.	0.	210.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	58。	0.	0.	119.	300.	0.	0.
60	A	0.	0.	0.	7/10	0.	0.	60.	150.	0.	0.
	L	0.	0-	0.	89.	0.	0.	0.	0.	0.	0.

TABLE 49

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

	FILT	TER 1	AT O	024 AS	T		I	ISOL AN	IGLE 9	3.3 D	EG
	SPEC	TRAL	BAND	2.50 T	0 2.8	O MICE	ONS	ELEV	ATION	24.4	KM
S	VA A	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	25.	0.	0.	75.	270.	0.	0.
7	0 A	0.	0.	0.	13.	0.	0.	38.	135.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	105.	345.	0.	0.
8	0 A	0.	0.	0.	0.	23.	30.	53.	173.	0.	0.
	L	0.	0.	0.	0.	45.	60.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	105.	15.	0.	0.
9	0 A	0.	0.	0.	0.	83.	75.	53.	8.	0.	0.
	L	0-	0.	0.	0.	165.	150。	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	135.	0.	0.	0.
10	0 A	0.	0.	0.	0.	75.	53.	68.	0.	0.	0.
	L	0.	0.	0.	0.	149.	105.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	150。	13.	0.	0.
110	0 A	0.	0.	0.	0.	83.	89.	75.	81.	0.	0.
	L	0.	0.	0.	0.	165.	178.	0.	148.	0.	0.
	R	0.	0.	0.	0.	0.	0.	105.	134.	0.	0.
120	A 0	0.	0.	0.	0.	75.	75.	53.	153.	0.	0.
	L	0.	0.	0.	0.	149.	149.	0.	172.	0.	0.
RAC	O I ANC	E VAL	UES AR	E IN M	ICROWA	TTS PE	R SQ.	CM. PE	R STER	ADIAN	•

TABLE 49 CONT.

FILTER	1 AT	0024 AST		INSOL ANGLE	93.3 DEG
SPECTRAL	BAND	2.50 TO	2.80 MICRONS	ELEVATIO	N 24.4 KM

VA SA	. 0	10	20	30	40	50	60	70	80	90
R	0.	0.	0.	0.	0.	0.	135.	176.	0.	0.
130 A	0.	0.	0.	0.	82.	105.	68.	186.	0.	0.
L	. 0.	0.	0.	0.	163.	209.	0.	195.	0.	0.
R	0.	0.	0.	0.	0.	0.	105。	175.	0.	0.
140 A	0.	0.	0.	0.	97.	105.	53。	192.	0.	0.
ι	. 0.	0.	0.	0.	194.	210.	0.	209.	0.	0.
R	0.	0.	0.	0.	0.	0.	147.	194.	0.	0.
150 A	0.	0.	0.	0.	90.	90.	140.	185.	0.	0.
ι	. 0.	0.	0.	0.	179.	179.	132.	175.	0.	0.
R	0.	0.	0.	0.	0.	0.	116.	87.	29.	0.
160 A	0.	0.	0.	0.	104-	83.	121.	125.	15.	0.
ι	. 0.	0.	0.	0.	208.	165.	126.	163.	0.	0.
R	0.	0.	0.	0.	0.	0.	60.	222.	0.	0.
170 A	0.	0.	0.	0.	0.	0.	97.	239.	0.	0.
ι	. 0.	0.	0.	0.	0.	0.	134.	255.	0.	0.
R	0.	0.	0.	0.	0.	0.	75。	150.	0.	0.
180 A	0.	0.	0.	0.	0.	0.	67。	113.	0.	0.
Ł	. 0.	0.	0.	0.	0.	0.	59。	75.	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

TABLE 49 CONT.

	SPI	ECTRAL	BAND	2.50	TN 2.8	O MIC	RONS	FI FI	ATION	24.4
•	<i>.</i>		DANO	2.50	10 210	·	, KONS		7 . 1 . 1 . 1 . 1	£ 707
SA	VA	0	10	20	30	40	50	60	70	80
	R	0.	0.	0.	0.33	0.	0.	0.60	3.23	0.
0	A	0.	0.	0.	0.35	0.	0.	0.60	2.34	0.
	L	0.	0.	0-	0.37	0.	0.	0.	1.95	0.
	R	0.	0.	0.	0.36	0.	0.	0.96	9.46	0.
10	A	0.	0.	0.	0.33	0.	0.	0.96	5.58	0.
	L	0.	0.	0.	0.31	0.	0.	0.	1.05	0.
	R	0.	0.	0.	0.34	0.	0.	1.77	26.73	0.
20	A	0.	0.	0.	0.29	0.	0.	1.77	14.76	0.
	L	0.	0.	0.	0.22	0.	0.	0.	0.81	0.
	R	0.	0.	0.	0.21	0.	0.	3.49	18-21	0.
30	A	0.	0.	0.	0.21	0.	0.	3.49	12-98	0-
	L	0.	0.	0.	0.21	0.	0.	0.	0.64	0.
	R	0.	0.	0.	0.20	0.	0.	3.83	4.91	0.
40	A	0.	0.	0.	0.21	0.	0.	3.83	4-91	0-
	L	0.	0.	0.	0.21	0.	0.	0.	0-	0.
	R	0-	0.	0.	0.23	0.	0.	1.83	1-92	0.
50	A	0.	0.	0.	0.20	0.	0.	1.83	1-92	0.
	L	0.	0.	0.	0-18	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.40	0.	0.	0.81	0.96	0.
60	A	0.	0.	0.	0.26	0.	0.	0.81	0-96	0.
	L	0.	0.	0.	0.17	0.	0.	0.	0.	0.

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

	FIL	TER 1	AT 00	24 AS1	r		INS	SOL AND	GLE 93	3.3 DE	G
	SPE	TRAL (BAND 2	2.50 T(2.80) MICRO	ONS	ELEV	ATION 2	24.4	KM
								•			
SA	VA	0	10	20	30	40	50	60	70	80	90
34		0.	^	^	0.33	•	0.	0.47	0.59	0.	0.
			0.	0.		0.					
70	A	0.	0.	0.	0.33	0.	0.	0.47	0.59	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.42	0.19	0.	0.
80	A	0.	0.	0.	0.	0.15	0.16	0.42	0.19	0.	0.
	L	0.	0.	0.	0.	0.15	0.16	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.59	0.13	0.	0.
90	A	0.	0.	0.	0.	0.16	0.17	0.59	0.13	0.	0.
	L	0.	0.	0.	0.	0.16	0.17	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.67	0.	0.	0.
100	A	0.	0.	0.	0.	0.27	0.23	0.67	0.	0.	0.
	L	0.	0.	0.	0.	0.27	0.23	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.20	0.40	0.	0.
110	A	0.	0.	0.	0.	0.22	0.23	0.20	0.23	0.	0.
	L	0.	0.	0.	0.	0.22	0.23	0.	0.22	0.	0.
	R	0-	0.	0.	0.	0.	0.	0.16	0.35	0.	0.
120	A	0.	0.	0.	0.	0.25	0.23	0.16	0.32	0.	0.
	L	0.	0.	0.	0.	0.25	0.23	0.	0.30	0.	0.

TABLE 50 CONT.

	FILTER 1 AT 0024 AST INSOL ANGLE 93.3 DEG										
	SPE	CTRAL	BAND	2.50	TO 2.	O MICR	ONS	ELEV	ATEON	24.4	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.	0.	0.16	0.27	0.	0.
130	A	0.	0.	0.	0.	0.23	0.22	0.16	0.24	0.	0.
	L	0.	0.	0.	0.	0.23	0.22	0.	0.22	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.16	0.25	0.	0.
140	A	0.	0.	0.	0.	0-20	0.20	0.16	0.23	0.	0.
	L	0.	0.	0.	0.	0.20	0.20	0.	0.21	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.23	0.26	0.	0.
150	A	0.	0.	0.	0.	0.27	0.25	0.28	0.25	0.	0.
	L	0.	0.	0.	0.	0.27	0.25	0.33	0.24	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.25	0.28	0.34	0.
160	A	0.	0.	0.	0.	0.20	0.21	0.29	0.19	0.34	0.
	L	0.	0.	0.	0.	0-20	0.21	0.32	0.15	0.	0.
	R	0.	0.	0.	0.	0.	0.	0-20	0.24	0.	0.
170	A	0.	0.	0-	0.	0.	0.	0-24	0.23	0.	0.
	L	0.	0.	0-	0.	0-	0.	0.26	0-22	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.19	0-20	0-	0.
180		0.	0.	0-	0.	0.	0.	0.19	0.20	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.20	0.21	0.	0.
RAD	IAN	CE VAL	UES A	RE IN P	1ICROWA	ATTS PE	R SQ.	CM. PE	R STER	ADIAN	•

TABLE 50 CONT.

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

(FIL	TER 1	AT 0	024 AS	IN	INSOL ANGLE 93.3 DEG					
:	SPE	CTRAL	BAND	2.50 T	0 2.8	O MICR	ONS	ELEV	ATION	24.4	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.17	0.	0.	0.18	0.40	0.0	0.
0	A	0.	0.	0.	0.26	0.	9.	0.18	0.59	0.	0.
	L	0.	0.	0.	0.20	0.	0.	0.	0-44	0.	0.
	R	0.	0.	0.	0.19	0.	0.	0.29	4.47	0.	0.
10	A	0.	0.	0.	0.28	0.	0.	0.29	4.47	0.	0.
	L	0.	0.	0.	0.21	0.	0.	0.	0.24	0.	0.
	R	0.	0.	0.	0.21	0.	0.	0.38	2.56	0.	0.
20	A	0.	0.	0.	0.26	0.	0.	0.38	2.57	0.	0.
	L	0.	0。	0.	0.15	0.	0.	0.	0.20	0.	0.
	R	0.	0.	0.	0.20	0.	0.	0.75	7.26	0.	0.
30	A	0.	0.	0.	0.26	0.	0.	0.75	7.27	0.	0.
	L	0.	0.	0.	0.16	0.	0.	0.	0.19	0.	0.
	R	0.	0.	0.	0.15	0.	0.	0.61	2.17	0.	0.
40	A	0.	0.	0.	0.22	0.	0.	0.61	2.17	0.	0.
	L	0.	0.	0.	0.15	0.	0.	0.	0.	0-	0.
	R	0.	0.	0.	0.16	0.	0.	0.49	0.46	0.	0.
50	A	0.	0.	0.	0-21	0.	0.	0.49	0.46	0.	0.
	L	0.	0.	0.	0.14	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.20	0.	0.	0.26	0.29	0.	0.
60	A	0.	0.	0.	0.23	0.	0.	0.26	0.29	0.	0.
	L	0.	0.	0.	0.12	0.	0.	0.	0.	0.	0.

FIL	TER	1 AT	0024 A	ST		IN	SOL AN	GLE 9	3.3 D)E(
SPE	CTRAL	BAND	2.50	TO 2.8	O MICR	ONS	ELEV	ATION	24.4	1
VA SA	0	10	20	30	40	50	60	70	80	
R	0.	0.	0.	0.13	0.	0.	0.19	0.23	0.	
70 A	0.	0.	0.	0-13	0.	0.	0.19	0.23	0.	
Ł	0.	0.	0.	0.	0.	0.	0.	0.	0.	
R	0.	0.	0.	0.	0.	0.	0.19	0.14	0.	
80 A	0.	0.	0.	0.	0.12	0.11	0.19	0.14	0.	
Ł	0.	0.	0.	0.	0.12	0.11	0.	0.	0.	
R	0.	0.	0.	0.	0.	0.	0.22	0.08	0.	
90 A	0.	0.	0.	0.	0.13	0.11	0.22	0.08	0.	
Ł	0.	0.	0.	0.	0.13	0.11	0.	0.	0.	
R	0.	0.	0.	0.	0.	0.	0.58	0.	0.	
100 A	0.	0.	0.	0.	0.16	0.16	0.58	0.	0.	
L	0.	0.	0.	0.	0.16	0.16	0.	0.	0.	
R	0.	0.	0.	0.	0.	0.	0.15	0.16	0.	
110 A	0.	0.	0.	0.	0.15	0.15	0.15	0.22	0.	
L	0.	0.	0.	0.	0.15	0.15	0.	0.15	0.	
R	0.	0.	0.	0.	0.	0.	0.12	0.16	0.	
120 A	0.	0.	0.	0.	0.15	0.15	0.12	0.23	0.	
L	0.	0.	0.	0.	0.15	0.15	0.	0-17	0.	

TABLE 51 CONT.

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

	FIL	TER 1	AT	0024 AS	T		IN	SOL AN	GLE 9	3.3 DE	G .
	SPE	CTRAL	BAND	2.50 T	0 2.8	O MICR	ONS	ELEV	ATION	24.4	KM
S	VA 4	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.	0 •	0.13	0.17	0.	0.
13	A	0.	0.	0.	0.	0.15	0.15	0.13	0.24	0.	0.
	L	0.	0.	0.	0.	0.15	0.15	0.	0.16	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.13	0.16	0.	0.
14	D A	0.	0.	0.	0.	0.15	0.15	0.13	0.22	0.	0.
	L	0.	0.	0.	0.	0.15	0.15	0.	0.14	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.16	0.16	0.	0.
15) A	0.	0.	0.	0.	0.17	0.16	0.22	0.23	0.	0.
	Ł.	0.	0.	0.	0.	0.17	0.16	0.15	0.16	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.15	0.17	0.19	0.
16	A C	0.	0.	0.	0.	0.14	0.15	0.22	0.21	0.19	0.
	L	0.	0.	0.	0.	0.14	0.15	0.17	0.13	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.16	0.15	0.	0.
17	A C	0.	0.	0.	0.	0.	0.	0.21	0.22	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.15	0.16	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.13	0.14	0.	0.
18	A C	0.	0.	0.	0.	0.	0.	0.19	0.20	0.	0。
	L	0.	0.	0.	0.	0.	0.	0.14	0.13	0.	0.

TABLE 51 CONT.

	FILT	FD 1	AT O	024 AS	C T		TA	ISOL AN	ICIE 9	13.3 N	FG
		TRAL		2.50		O MICR			ATION		KM
Ĭ	VA Sa	0	10	20	30	40	50	60	70	80	90
I	0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
_	10	0.	0.	0.	0.	0.	0.	0.	358.	0.	0.
	20	0.	0.	0.	0.	0.	0.	0.	611.	0.	0.
	30	0.	0.	0.	0.	0.	0.	180.	463.	0.	0.
E	40	0.	0.	0-	0.	0.	0.	165.	255.	0.	0.
	50	0.	0.	0.	0.	0.	0.	180.	255.	0.	0.
	60	0.	0.	0.	1237.	0.	0.	104.	300.	0.	0.
	70	0.	0.	0.	625.	0.	0.	135.	270.	0.	0.
	80	0.	0.	0-	25.	60.	60.	120.	360.	0.	0.
11	90	0.	0.	0.	0.	194.	240.	150.	0.	0.	0.
	100	0.	0.	0.	0.	270.	163.	135.	0.	0.	0.
	110	0.	0.	0.	0.	267.	269.	135.	217.	0.	0.
wijerwa	120	0.	0.	0.	0.	329.	388.	195.	340.	0.	0.
	130	0-	0.	0-	0.	297.	285.	179.	458.	0.	0.
Ľ	140	0.	0.	0.	0.	0.	0.	506.	367.	0.	0.
I	150	0.	0.	0-	0.	0.	0.	269。	387.	29.	0.
_	160	0.	0.	0-	0.	0-	0.	0.	774.	0.	0.
L	170	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
I	180	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1	RADIANC	E VAL	UES AR	E IN I	HICROWA	TTS PE	R SQ.	CM. PE	R STER	ADIAN	•

TABLE 52

FILTER 1 AT 0024 AST INSOL ANGLE 93.3 DEG									EG	
SPI	ECTRAL	BAND	2.50	0 2.8	O MICR	ONS	ELEV	ATION	24.4	KM
SA SA	0	10	20	30	40	50	60	70	80	90
0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.	0.	2.82	0.	0.
20	0.	0.	0.	0.	0.	0.	0.	9.76	0.	0.
30	0.	0.	0.	0.	0.	0.	1.19	14.30	0.	0.
40	0.	0.	0.	0.	0.	0.	3.64	6.69	0.	0.
50	0.	0.	0.	0.	0.	0.	2.80	2.01	0.	0.
60	0.	0.	0.	0.28	0.	0.	1.12	0.96	0.	0.
70	0.	0.	0.	0.22	0.	0.	0.56	0.59	0.	0.
80	0.	0.	0.	0.33	0.14	0.16	0.43	0.19	0.	0.
90	0.	0.	0.	0.	0.19	0.19	0.51	0.	0.	0.
100	0.	0.	0.	0.	0.24	0.23	0.58	0.	0.	0.
110	0.	0.	0.	0.	0.24	0.23	0.19	0.26	0.	0.
120	0.	0.	0.	0.	0.22	0.21	0.17	0.30	0.	0.
130	0.	0.	0.	0.	0.22	0.23	0.20	0.23	0.	0.
140	0.	0.	0.	0.	0.	0.	0.29	0.25	0.	0.
150	0.	0.	0.	0.	0.	0.	0.21	0.21	0.34	0.
160	0.	0.	0.	0.	0.	0.	0.	0.22	0.	0.
170	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
180	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

	FII	TER	1 AT (0024 A	S T		IN	ISOL AI	NGIF 9	3.3 DE	= c
			BAND	2.50		O MICR			ATION		KM
	VA	0	10	20	30	40	50	60	70	80	90
I	SA O	0.	•	•	0	0	•	•	0	•	^
L			0.	0.	0.	0.	0.	0.	0.	0.	0.
E	10	0.	0.	0.	0.	0.	0.	0.	1.65	0.	0.
	20	0.	0.	0.	0.	0.	0.	0.	10.14	0.	0.
I	30	0.	0.	0.	0.	0.	0.		11.87	0.	0.
•	40	0.	0.	0.	0.	0.	0.	0-84	3.00	0.	0-
	50	0.	0.	0.	0.	0.	0.	0.86	0.51	0.	0.
Π	60	0.	0.	0.	0.20	0.	0.	0.31	0.29	0.	0.
	70	0.	0.	0.	0.16	0.	0.	0.23	0.23	0.	0.
	80	0.	0.	0.	0.13	0.11	0.11	0.19	0.14	0.	0.
Ц	90	0.	0.	0.	0.	0.14	0.13	0.24	0.	0.	0.
	100	0.	0.	0.	0.	0.16	0.16	0.62	0.	0.	0.
	110	0.	0.	0.	0.	0.16	0.15	0.14	0.17	0.	0.
	120	0.	0.	0.	0.	0.15	0.15	0.13	0.17	0.	0.
F	130	0.	0.	0.	0.	0.15	0.15	0.16	0.16	0.	0.
	140	0.	0.	0.	0.	0.	0.	0.16	0.16	0.	0.
I	150	0.	0.	0.	0.	0.	0.	0.14	0.16	0.19	0.
K	160	0.	0.	0.	0.	0.	0.	0.	0.15	0.	0.
I	170	0.	0.	0-	0.	0.	0.	0.	0.	0.	0.
	180	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
E	RADIAN	CE VA	LUES A	RE IN	MICROWA	TTS PE	R SQ.	CM. PI	ER STER	ADIAN.	•

TABLE 54

VIEWING ANGLE AND SCATTERING ANGLE ARE IN DEGREES.

FILTER 7 AT 0034 AST INSOL ANGLE 93.2 DEG

SP	ECTRAL	BAND	2.54 T	O 2.8	9 MICR	ONS	ELEVATION 26.6 KM				
							5557			•••	
VA SA	0	10	20	30	40	50	60	70	80	90	
R	0.	0.	0.	75.	0.	0.	90。	75.	0.	0.	
0 A	0.	0.	0.	82.	0.	0.	90.	75.	0.	0.	
Ł	0.	0.	0.	88.	0.	0.	90.	75.	0.	0.	
R	0.	0.	0.	45.	0.	0.	210.	150.	0.	0.	
10 A	0.	0.	0.	120.	0.	0.	216.	173.	0.	0.	
L	0.	0.	0.	195.	0.	0.	222.	195.	0.	0.	
R	0.	0.	0.	0.	0.	0.	195.	160.	0.	0.	
20 A	0.	0.	0.	118.	0.	0.	218.	170.	0.	0.	
L	0.	0.	0.	235.	0.	0.	240.	180.	0.	0.	
R	0.	0.	0.	0.	0.	0.	210.	135.	0.	0.	
30 A	0.	0.	0.	116.	0.	0.	195。	150.	0.	0.	
L	0.	0.	0.	231.	0.	0.	180.	165.	0.	0.	
R	0.	0.	0.	0.	0.	0.	180.	150.	0.	0.	
40 A	0.	0.	0.	135.	0.	0.	173。	165.	0.	0.	
L	0.	0.	0.	269.	0.	0.	165。	180.	0.	0.	
R	0.	0.	0.	0.	0.	45。	195。	165.	0.	0.	
50 A	0.	0.	0.	90.	0.	23.	98.	165.	0.	0.	
L	0.	0.	0.	179.	0.	0.	0.	165.	0°	0.	
R	0.	0.	0.	0.	0.	135.	180.	120.	0.	0.	
60 A	0.	0.	0.	135.	0.	68.	90。	134.	0.	0.	
L	0.	0.	0.	270.	0.	0.	0.	148.	0.	0.	

TABLE 55

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

		FILT	ER 7	AT 0	034 AS	T		11	ISOL AN	IGLE 9	3.2 D	EG
		SPEC	TRAL	BAND	2.54 1	0 2.6	9 MICR	ONS	ELEV	ATION	26.6	KM
I	SA	VA	0	10	20	30	40	50	60	70	80	90
		R	0.	0.	0.	0.	0.	135.	180.	0.	0.	0.
=	70	A	0.	0.	0.	142.	0.	68.	90.	112.	0.	0.
I		L	0.	0.	0.	284.	0.	0.	0.	223.	0.	0.
I		R	0.	0.	0.	0.	0.	120.	105.	0-	0.	0.
2.	80	A	0.	0.	0.	90.	0.	60.	53.	30.	0.	0.
I		L	0.	0.	0.	180.	0.	0.	0-	60.	0.	0.
		R	0.	0.	0.	0.	0.	180.	135.	0.	0.	0.
	90	A	0-	0.	0.	128.	0.	90.	68.	0.	0.	0.
		L	0.	0.	0.	255。	0.	0.	0.	0.	0.	0.
Ш		R	0.	0.	0.	0.	0.	60.	0.	105.	0.	0.
	100	A	0.	0.	0.	173.	0.	30.	0.	53.	0.	0.
		L	0.	0.	0.	345.	0.	0.	0.	0.	0.	0.
		R	0.	0.	0.	0.	0.	129.	0.	130.	0.	0.
fi	110	A	0.	0.	0.	30.	0.	65.	0.	65.	0.	0.
U		L	0.	0.	0.	60.	0.	0.	0.	0.	0.	0.
I		R	0.	0.	0.	0.	0.	127.	0.	149.	0.	0.
.	120	A	0.	0.	0.	0.	0.	64.	0.	75.	0.	0.
		L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
_	RAD	I ANC	E VAL	UES AR	E IN M	ICROWA	TTS PE	R SQ.	CM. PE	R STER	ADIAN.	•

TABLE 55 CONT.

FILT	ER 7	7 AT	0034 AS	T			INSOL A	NGLE	93.2 D	EG
SPEC	TRAL	BAND	2.54 T	0 2.	89 MIC	RONS	ELE	MOITAV	1 26.6	KM
VA	0	10	20	30	40	50	60	70	80	90

VA SA	0	10	20	30	40	50	60	70	80	90
R	0.	0.	0.	0.	0.	102.	0.	240.	0.	0.
130 A	0.	0.	0.	0.	0.	71.	0.	120.	0.	0-
L	0.	0.	0.	0.	0.	39.	0.	0-	0.	0.
R	0.	0.	0.	0.	0.	150.	0.	251.	0.	0.
140 A	0.	0.	0.	0.	0.	124.	0.	126.	0.	0.
L	0.	0.	0.	0.	0.	98.	0.	0.	0.	0.
R	0.	0.	0.	0.	0.	165.	0.	207.	0.	0-
150 A	0.	0.	0.	0.	0.	180.	0.	200•	0.	0.
L	0.	0.	0.	0.	0.	195.	0.	192.	0.	0.
R	0.	0.	0.	0.	0.	120.	0.	270.	0.	0.
160 A	0.	0.	0.	0.	0.	120.	0.	300.	15.	0.
L	0.	0.	0.	0.	0.	120.	0.	330.	29。	0.
R	0.	0.	0.	0.	0.	118.	0.	224.	0.	0.
170 A	0.	0.	0.	0.	0.	154.	0.	234.	0.	0.
L	0.	0.	0.	0.	0.	189.	0.	244.	0.	. 0.
R	0.	0.	0.	0.	0.	88.	0.	165.	0.	0.
180 A	0.	0.	0.	0.	0.	85。	0.	135.	0.	0.
L	0.	0.	0.	0.	0.	82.	0.	105.	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

TABLE 55 CONT.

	FII	LTER	7 AT	0034 A	ST		IN	SOL AN	IGLE 9	3.2 0	EG
			L BAND	2.54		9 MI(CRONS		ATION		KM
	VA SA	0	10	20	30	40	50	60	70	80	90
I	R	0.	0.	0.	0.20	0.	0.	0.28	1.18	0.	0.
	0 A	0.	0.	0.	0.19	0.	0.	0.24	0.85	0.	0.
	L	0.	0.	0.	0.19	0.	0.	0.20	0.52	0.	0.
	R	0.	0.	0.	0.17	0.	0.	0-41	4.65	0.	0.
	10 A	0.	0.	0-	0.17	0.	0.	0.29	2.18	0.	0.
	L	0.	0.	0.	0.17	0.	0.	0.17	0.28	0.	0.
П	R	0.	0.	0.	0.	0.	0.	0.51	17.29	0.	0.
	20 A	0.	0.	0.	0.26	0.	0.	0.32	8.28	0.	0.
	L	0.	0.	0.	0.26	0.	0.	0.17	0.27	0-	0.
	R	0.	0.	0.	0.	0.	0.	0.30	5.63	0.	0.
	30 A	0.	0.	0.	0.27	0.	0•	0.27	2.71	0.	0.
Tī.	L	0.	0.	0.	0.27	0.	0.	0.24	0.32	0.	0-
	R	0-	0.	0.	0.	0.	0•	0.27	1.37	0.	0.
	40 A	0.	0.	0.	0.19	0.	0.	0.26	0.77	0.	0.
Li	L	0.	0.	0.	0.19	0.	0.	0-24	0.26	0.	0.
	R	0.	0.	0.	0.	0.	0.19	0.18	0.39	0.	0.
n	50 A	0.	0.	0.	0.20		0.19		0.34		0.
Ē	L	0.	0.	0.	0.20	0.	0.	0.			0.
	R	0.	0.	0.	0.	0.	0.18	0.16			0.
	60 A	0.	0.	0.	0.16	0.	0.18				0.
	-	0.	0.	0.	0.16		0.	0.	0.22	0.	0.
_	RADIA						PER SQ.			RADIA	1.
		AIE	WING AN	IGLE AN	D SUN A	ZIMU	TH ARE I	N DEG	REES.		

TABLE 56

1	FIL	TER 7	AT	0034 AS	IN	SOL AN	GLE 9	3.2 D	EG		
	SPE	CTRAL	BAND	2.54 T	0 2.8	9 MICR	ONS	ELEV	ATION	26.6	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.	0.16	0.17	0.	0.	0.
70		0.	0.	0.	0-18	0.	0.16	0.17	0.24	0.	0.
	L	0.	0.	0.	0.18	0.	0.	0.	0.24	0.	0.
	R	0.	0.	0.	0.	0.	0.17	0.17	0.	0.	0.
80	A	0.	0.	0.	0.21	0.	0.17	0.17	0.16	0.	0.
	L	0.	0.	0.	0.21	0.	0.	0.	0.16	0.	0.
	R	0.	0.	0.	0.	0.	0.20	0.17	0.	0.	0.
90	A	0.	0.	0.	0.17	0.	0.20	0.17	0.	0.	0.
	L	0.	0.	0.	0-17	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.21	0.	0.26	0.	0.
100	A	0.	0.	0.	0-16	0.	0.21	0.	0.26	0.	0.
	L	0.	0.	0.	0.16	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.30	0.	0.24	0.	0.
110	A	0.	0.	0.	0.18	0.	0.30	0.	0.24	0.	0.
	L	0.	0.	0.	0-18	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.29	0.	0.20	0.	0.
120	A	0.	0.	0.	0.	0.	0.29	0.	0.20	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

TABLE 56 CONT.

ı	FIL	TER	7 AT	00 34 A	ST		IN	SOL	ANGLE 9	3.2 D	EG
:	SPE	CTRAL	BAND	2.54	TO 2.	89 MIC	RONS	EL	EVATION	26.6	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0-	0.	0.19	0.	0.22	٠٥.	0.
130	A	0.	0.	0.	0.	0.	0.29	0.	0.22	0.	0.
	L	0.	0.	0.	0.	0.	0.52	0.	0.	0.	0.
	R	0.	0-	0.	0.	0.	0.20	0.	0.25	0.	0.
140	A	0.	0.	0.	0.	0.	0.28	0.	0.25	0.	0.
	L	0.	0.	0.	0.	0.	0.41	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.19	0.	0.23	0.	0.
150	A	0.	0.	0.	0.	0.	0.19	0.	0.24	0.	0.
	L	0.	0.	0.	0.	0.	0.19	0.	0.24	0.	0.
	R	0.	0.	0.	0.	0.	0.14	0.	0.20	0.	0.
160	A	0.	0.	0.	0.	0.	0.15	0.	0.21	0.33	0.
	L	0.	0.	0.	0.	0.	0.16	0.	0.21	0.33	0.
	R	0.	0.	0.	0.	0.	0.18	0.	0.19	0.	0.
170	A	0.	0.	0.	0.	0.	0.24	0.	0.21	0.	0.
	L	0.	0.	0.	0.	0.	0.28	0.	0.23	0.	0.
	R	0.	0.	0.	0.	0.	0.32	0.	0.15	0.	0.
180	A	0.	0.	0.	0.	0.	0.34	0.	0.17	0.	0.
	L	0.	0.	0.	0.	0.	0.37	0.	0.20	0.	0.
RAD	I AN	CE VA	LUES A	RE IN	MICRON	IATTS P	ER SQ.	CM.	PER STER	ADIAN.	

TABLE 56 CONT.

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

l	FIL	TER 7	AT	0034 AS	ST .		1	INSOL AN	GLE 9	3.2 D	EG
;	SPE	CTRAL	BAND	2.54	0 2.8	9 MI	CRONS	ELEV	ATION	26.6	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.13	0.	0.	0.18	0.50	0.	0.
0	A	0.	0.	0.	0.20	0.	0.	0.24	0.53	0.	0.
	L	0.	0.	0.	0.14	0.	0.	0.16	0.17	0.	0.
	R	0.	0.	0.	0-14	0.	0.	0.22	2.28	0.	0.
10	A	0.	0.	0.	0.20	0.	0.	0.26	2.28	0.	0.
	L	0.	0.	0.	0.13	0.	0.	0.13	0.16	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.21	2.99	0.	0.
20	A	0.	0.	0.	0.16	0.	0.	0.24	2.99	0.	0.
	L	0.	0.	0.	0.16	0.	0.	0.12	0.17	0.	0.
	R	0.	0.	0.	0-	0.	0.	0.17	2.73	0.	0.
30	A	0.	0.	0.	0.17	0.	0.	0.24	2.73	0.	0.
	L	0.	0.	0.	0.17	0.	0.	0.17	0.18	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.18	0.64	0.	0.
40	A	0.	0.	0.	0.14	0.	0.	0.25	0.67	0.	0.
	L	0.	0.	0.	0.14	0.	0.	0.17	0.20	0.	0.
	R	0.	0.	0.	0.	0.	0.14	4 0.14	0.23	0.	0.
50	A	0.	0.	0.	0.14	0.	0.14	4 0.14	0.32	0.	0.
	L	0.	0.	0.	0.14	0.	0.	0.	0.22	0-	0.
	R	0.	0.	0.	0.	0.	0.14	0.11	0.16	0.	0.
60	A	0.	0.	0.	0.13	0.	0.14	4 0.11	0.21	0-	0-
	L	0.	0.	0.	0.13	0.	0.	0.	0.14	0.	0.

13	İ	FIL	TER	7 AT	0034 A	ST		IN	SOL AN	IGLE 9	3.2 D	EG
		SPE	CTRAI	. BAND	2.54	TO 2.8	9 MI	CRONS	ELEV	ATION	26.6	KM
	SA	VA	o	10	20	30	40	50	60	70	80	90
I		R	0.	0.	0.	0.	0.	0.13	0.13	0.	0.	0.
T	70	A	0.	0.	0.	0.13	0.	0.13	0.13	0.16	0.	0.
I		L	0.	0.	0.	0.13	0.	0.	0.	0.16	0.	0.
E		R	0.	0.	0.	0.	0.	0.13	0.13	0.	0.	0-
	80	A	0.	0.	0.	0.14	0.	0.13	0.13	0.11	0.	0-
		L	0.	0.	0.	0.14	0.	0.	0.	0.11	0.	0.
П		R	0.	0.	0.	0.	0.	0.14	0.13	0.	0.	0.
	90	A	0.	0.	0.	0.12	0.	0.14	0.13	0.	0.	0.
		L	0.	0.	0.	0.12	0.	0.	0.	0.	0.	0.
1:		R	0.	0.	0.	0.	0.	0.14	0.	0.17	0.	0.
	100	A	0.	0.	0.	0.12	0.	0.14	0.	0.17	0.	0.
		L	0.	0.	0.	0.12	0.	0.	0.	0.	0.	0.
Section Assessment		R	0.	0.	0.	0.	0.	0.18	0.	0.15	0.	0.
T . and in the last of the las	110	A	0.	0.	0.	0.11	0.	0.18	0.	0.15	0.	0.
U		L	0.	0.	0.	0.11	0.	0.	0.	0.	0.	0.
		R	0.	0.	0.	0.	0.	0.17	0.	0.15	0.	0.
	120	A	0.	0.	0.	0.	0.	0.17	0.	0.15	0.	0.
		L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
_	RAD	I AN	CE VA	LUES A	RE IN	MICROWA	TTS	PER SQ.	CM. PE	R STER	ADIAN	•

TABLE 57 CONT.

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

	FIL	TER 7	7 AT	0034 AS	T		1N	SOL A	NGLE 9	3.2 D	EG
	SPE	CTRAL	BAND	2.54 T	0	2.89 MICR	IONS	ELE	VATION	26.6	KM
SA		0	10	20	30	40	50	60	70	80	90
3#		0.	0.	•	^	•	0.15	^	0.15	•	•
					0.						
130	A	0.			0.	0.	0.19	0.	0.15	0-	0.
	L	0.	0.	0-	0.	0.	0.11	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.13	0.	0.16	0.	0.
140	A	0.	0.	0.	0.	0.	0.22	0.	0.16	0.	0.
	L	0.	0.	0.	0.	0.	0.17	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.15	0.	0.16	0.	0.
150	A	0.	0.	0.	0.	0.	0.20	0.	0.22	0.	0.
	L	0.	0.	0.	0.	0.	0.14	0.	0.16	0-	0.
	R	0.	0.	0.	0.	0.	0.10	0.	0.14	0.	0.
160	A	0.	0.	0.	0.	0.	0.15	0.	0.21	0.15	0.
	Ł	0.	0.	0.	0.	0.	0.11	0.	0.15	0.15	0.
	R	0.	0.	0.	0.	0.	0.14	0.	0.13	0.	0.
170	A	0.	0.	0.	٥.	0.	0.21	0.	0.21	0.	0.
	L	0.	0.	0.	0.	0.	0.16	0.	0.16	0.	0.
	R	0.	0.	0.	0.	0.	0.18	0.	0.12	0.	0.
180	A	0.	0.	0.	٥.	0-	0.25	0.	0.19	0°	0.
	L	0.	0.	0.	0.	0.	0.16	0.	0.15	0.	0.

TABLE 57 CONT.

()	FILTE	R 7	AT 00:	34 AS1	ſ		INSOL ANGLE 93.2 DEG				
	SPECT	RAL BA	ND 2	.54 TC	2.89	MICRO	ONS	ELEV	ATION	26-6	KM
	VA SA	0 1	0 2	20	30	40	50	60	70	80	90
I	0	0.	0.	0.	0.	0.	0.	0.	0-	0.	0.
E	10	0.	0.	0.	0.	0.	0.	0.	165.	0.	0.
	20	0.	0.	0.	0.	0.	0.	0.	538.	0.	0-
	30	0.	0.	0.	0.	0.	0.	897.	387.	0.	0.
u	40	0.	0.	0.	0.	0.	0.	585.	345.	0.	0.
	50	0.	0.	0.	0.	0.	0.	405.	330.	0.	0.
[]	60	0.	0.	0.	884.	0.	120.	210.	298.	0.	0.
	70	0.	0.	0.	628.	0.	180.	240.	223.	0.	0.
	80	0.	0.	0.	539.	0.	165.	150.	60.	0.	0.
	90	0.	0.	0.	630.	0.	195.	90.	0.	0.	0.
	100	0.	0.	0.	30.	0.	115.	0.	120.	0.	0.
	110	0.	0.	0.	0.	0.	162.	0.	130.	0.	0.
	120	0.	0.	0.	0.	0.	354.	0.	179.	0.	0.
I	130	0.	0.	0.	0.	0.	748.	0.	313.	0.	0.
Ц	140	0.	0.	0.	0.	0.	358.	0.	310.	0.	0.
I	150	0.	0.	0.	0.	0.	0.	0.	687.	29.	0.
_	160	0.	0.	0.	0.	0.	0.	0.	873.	0.	0.
I	170	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
I	180	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1	RADIANCE	VALUE	S ARE	IN MI	CROWAT	TS PER	R SQ.	CM. PE	R STER	AD I AN.	

TABLE 58

FIL	FILTER 7 AT 0034 AST INSOL ANGLE 93.2 DEG									
SPE	CTRAL	BAND	2.54 T	0 2.8	9 MIC	RONS	ELEV	ATION	26.6	KM
SA VA	0	10	20	30	40	50	60	70	80	90
0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.	0.	0.80	0.	0.
20	0.	0.	0.	0.	0.	0.	0.	4.30	0.	0.
30	0.	0.	0.	0.	0.	0.	0.30	5.21	0.	0.
40	0.	0.	0.	0.	0.	0.	0.27	0.83	0.	0.
50	0.	0.	0.	0.	0.	0.	0.24	0.37	0.	0.
60	0.	0.	0.	0.22	0.	0.19	0.16	0.23	0.	0.
70	0.	0.	0.	0.19	0.	0.17	0.16	0.24	0.	0.
80	0.	0.	0.	0.19	0.	0.17	0.17	0.16	0.	0.
90	0.	0.	0.	0.17	0.	0.20	0.16	0.	0.	0.
100	0.	0.	0.	0.18	0.	0.29	0.	0.26	0.	0.
110	0.	0.	0.	0.	0.	0.31	0.	0.23	0.	0.
120	0.	0.	0.	0.	0.	0.27	0.	0.20	0.	0.
130	0.	0.	0.	0.	0.	0.19	0.	0.22	0.	0.
140	0.	0.	0.	0.	0.	0.29	0.	0.26	0.	0.
150	0-	0.	0.	0.	0.	0.	0.	0.22	0.33	0.
160	0.	0.	0.	0.	0.	0.	0.	0.19	0.	0.
170	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
180	0.	0-	0.	0.	0.	0.	0-	0.	0.	0.

U	FIL	TER 7	AT O	034 AS		INSOL ANGLE 93.2 DEG					
	SPE	CTRAL	BAND	2.54 T	0 2.8	9 MICR	ONS	ELEV	ATION	26.6	KM
1	VA SA	0	10	20	30	40	50	60	70	80	90
I	0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
K	10	0.	0.	0.	0.	0.	0.	0.	0.50	0.	0.
	20	0.	0.	0.	0.	0.	0.	0.	6.35	0.	0-
Ī	30	0.	0.	0.	0.	0.	0.	0.22	6.51	0.	0.
	40	0.	0.	0.	0.	0.	0.	0-18	0-83	0.	0.
	50	0.	0-	0.	0.	0.	0.	0.17	0-24	0.	0.
	60	0.	0.	0.	0.16	0.	0.14	0.12	0.15	0.	0.
11	70	0.	0.	0.	0.14	0.	0.14	0.12	0.16	0.	0.
	80	0.	0.	0.	0.13	0.	0.13	0.13	0-11	0.	0.
	90	0.	0.	0.	0.12	0.	0.13	0.12	0-	0.	0.
France :	100	0.	0.	0.	0.11	0.	0.18	0.	0-17	0.	0-
17	110	0.	0.	0.	0.	0.	0.18	0.	0.15	0.	0.
	120	0.	0.	0.	0.	0.	0.19	0.	0.15	0.	0-
	130	0.	0.	0.	0.	0.	0-14	0.	0.15	0.	0-
U	140	0.	0.	0.	0.	0.	0.17	0.	0-17	0.	0.
	150	0-	0.	0.	0.	0.	0.	0.	0.15	0.15	0•
	160	0-	0.	0.	0.	0.	0.	0.	0-14	0.	0.
	170	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
I	180	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	RADIAN	CE VAL	UES AR	E IN M	ICROWA	TTS PE	R SQ.	CM. PE	R STER	ADIAN.	

TABLE 60

VIEWING ANGLE AND SCATTERING ANGLE ARE IN DEGREES.

FILTER 5 AT 0040 AST INSOL ANGLE 93.2 DEG SPECTRAL BAND 1.57 TO 2.98 MICRONS ELEVATION 27.9 KM

SA V	A	0	10	20	30	40	50	60	70	80	90
1	R	0.	0.	0.	60.	0.	90.	0.	120.	0.	0.
0	A	0.	0.	0.	60.	0.	68.	0.	105.	0.	0.
i	L	0.	0.	0.	60.	0.	45.	0.	90.	0.	0.
(R	0.	0.	0.	0.	0.	135.	0.	225.	0.	0.
10	A	0.	0.	0.	53.	0.	68.	0.	240.	0.	0.
(L.	0.	0.	0.	105.	0.	0.	0.	255.	0.	0.
1	R	0.	0.	0.	0.	0.	150.	0.	300.	0.	0.
20	A	0.	0.	8.	68.	0.	75.	0.	270.	0-	0.
1	L	0.	0.	15.	135.	0.	0.	0.	240.	0.	0.
1	R	0.	0.	0.	0.	0.	120.	0.	240.	0.	0.
30	A	0.	0.	0.	68.	0.	60.	0.	233.	0.	0.
i	L	0.	0.	0.	135.	0.	0.	0.	225.	0.	0.
i	R	0.	0.	0.	0.	0.	180.	0.	120.	0.	0.
40	A	0.	0.	0.	83.	0.	90.	0.	173.	0.	0.
i	L	0.	0.	0.	165.	0.	0.	0.	225.	0.	0.
1	R	0.	0.	0.	0.	0.	150.	۰	75.	0.	0.
50	A	0.	0.	0.	75.	0.	75.	۰	127.	0.	0.
į	L	0.	0.	0.	150.	0.	0.	0.	179.	0.	0.
1	R	0.	0.	0.	0.	0.	180.	0.	240.	0.	0.
60	A	0.	0.	0.	68.	0.	90.	0.	218.	0.	0.
l	L	0.	0.	0.	135.	0.	0.	0.	195.	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

F	ILT	ER 5	AT 0	040 AS	IN	INSOL ANGLE 93.2 DEG					
S	PEC	TRAL	RAL BAND 1.57 TO 2.98 M				MICRONS ELEVATION 27.9				KM
V SA	/A	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.	165.	0.	210.	0.	
70	A	0-	0.	0.	75.	0.	83.	0.	210.	0.	
	L	0-	0.	0.	150.	0-	0.	0.	210.	0.	
80	R	0.	0.	0.	0.	0.	150.	0.	240.	0.	
	A	0.	0.	0.	105.	0-	75.	0.	195.	0.	
	L	0.	0.	0.	210.	0.	0.	0.	150.	0.	
90	R	0.	0.	0.	0.	0.	165.	0.	300.	0.	
	A	0.	0.	0.	90.	0-	83.	0.	203.	0.	
	L	0.	0.	0.	180.	0.	0.	0.	105.	0.	
	R	0.	0.	0.	0.	0.	150.	0.	240.	0.	
100	A	0.	0.	0.	83.	0.	75.	0.	120.	0.	
	L	0.	0.	0.	165.	0-	0.	0.	0.	0.	
110	R	0.	0.	0.	0.	0.	180.	0.	210.	0.	
	A	0.	0.	0.	68.	0.	90.	0.	105.	0.	
	L	0.	0.	0.	135.	0.	0.	0.	0.	0.	
120	R	0.	0.	0.	0.	0-	150.	0.	225.	0.	
	A	0-	0.	0.	113.	0.	75.	0.	113.	0.	
	L	0.	0.	0.	225.	0.	0.	0.	0.	0.	

TABLE 61 CONT.

R

L

180 A

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FILTER 5 AT 0040 AST INSOL ANGLE 93.2 DEG

SPECTRAL BAND 1.57 TO 2.98 MICRONS ELEVATION 27.9 KM VA 0 10 20 30 40 50 60 70 80 90 SA 0. 0. 0. 0. 0. 120. 0。345。 0. 0. 130 A 0. 0. 105. 0. 0. 60. 0. 173. 0. 0. L 0. 0. 0. 210. 0. 0. 0. 0. 0. 0. R 0. 0. 0. 0. 0. 180. 0. 225. 0. 0. 140 A 0. 0. 0. 120. 0. 90. 0. 113. 0. 0. L 0. 0. 0. 240. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 285. R 0. 0. 150. 0. 0. 150 A 0. 0. 0. 83. 0. 75. 0. 143. 0. 0. 0. 165. 0. 0. L 0. 0. 0. 0. 0. 0. R 0. 0. 0. 0. 0. 135. 0. 135. 0. 0. 160 A 0. 0. 0. 15. 0. 68. 0. 68. 0. 0. L 0. 0. 0. 30. 0. 0. 0. 0. 0. 0. R 0. 0. 0. 0. 0. 120. 0. 0. 0. 0. 0. 0. 170 A 0. 0. 0. 0. 60. 0. 0. 0. 0. 0. 0. 0. 0. 0. Ó. 0. 0. L 0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

0.

0.

0.

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0.

75.

38.

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TABLE 61 CONT.

					_						
	F IL SPE		5 AT	0040 AS		8 MI	CRONS .		ANGLE 9 EVATION	3.2 C 27.9	KM KM
1	VA SA	0	10	20	30	40	50	60	70	80	90
I	R	0.	0.	0.	7.25	0.	13-60	0.	49-30	0.	0.
	0 A	0.	0-	0.	6.89	0.	13-27	0.	48.93	0.	0.
	L	0.	0.	0.	6.53	0.	12-62	0.	48-42	0.	0.
I	R	0.	0-	0.	0.	0.	15.91	0.	45-00	0.	0.
E	10 A	0.	0.	0.	5.50	0.	15-91	0.	39-14	0.	0.
I	L	0.	0.	0.	5.50	0.	0.	0.	33.96	0.	0.
8 7:	R	0.	0.	0.	0.	0.	20.35	0.	42.27	0.	0.
	20 A	0.	0.	5.74	4.83	0.	20-35	0.	34-85	0.	0.
	L	0.	0.	5.74	4.83	0.	0.	0.	25.57	0.	0.
13	R	0.	0.	0.	0.	0.	22-83	0.	45-98	0.	0.
	30 A	0.	0.	0.	3.40	0.	22.83	0.	33.32	0.	0.
t 7	L	0.	0.	0.	3.40	0.	0.	0.	19-82	0.	0.
	R	0.	0.	0.	0.	0.	23-86	0.	45.11	0.	0.
	.40 A	0.	0.	0.	1.86	0.	23-86	0.	30.05	0.	0.
u	L	0.	0-	0.	1.86	0.	0-	0.	22.02	0.	0.
I	R	0.	0-	0.	0.	0.	18-96	0.	46.85	0.	0.
•	50 A	0.	0.	0.	1.00	0.	18-96	0.	20-55	0.	0.
I	L	0.	0.	0.	1.00	0.	0.	0.	9.53	0.	0.
	R	0.	0.	0.	0.	0.	16.80	0.	39.77	0.	0.
•	60 A	0.	0-	0.	0.57	0.	16.80	0.	22-07	0.	0.
	L	0.	0-	0.	0.57	0.	0.	0.	0.29	0.	0.
	RADIAN	CE V	ALUES A	RE IN M	ICROWA	TTS	PER SQ.	CM.	PER STER	ADIAN	i -
		VIE	WING AN	GLE AND	SUN A	ZIMU	TH ARE I	N DE	GREES.		

TABLE 62

f	ILI	TER	5 AT	0040	AST		IN	SOL	ANGLE 9	93.2 D	EG
•	SPEC	TRAL	BAND	1.57	TO 2.9	8 MI	CRONS	EL	EVATION.	27.9	KM
	/A	0	10	20	30	40	50	60	70	80	90
SA											
	R	0.	0.	0.	0.	0.	13.50	0.	29.84	0.	0.
70	A	0.	0.	0.	0.36	0.	13.50	0.	15.07	0.	0-
	L	0.	0.	0.	0.36	0.	0.	0.	0.31	0.	0.
	R	0.	0.	0.	0.	0.	11-41	0.	24.19	0.	0.
80	A	0.	0.	0.	0.43	0.	11.41	0.	15.00	0.	0.
	L	0.	0.	0.	0.43	0.	0.	0.	0.30	0.	0-
	R	0.	0.	0.	0.	0.	10.99	0.	19.61	0.	0.
90	A	0.	0.	0.	0.48	0.	10.99	0.	14.66	0.	0.
	L	0.	0.	0.	0.48	0.	0.	0.	0.49	0.	0.
	R	0.	0.	0.	0.	0.	3.53	0.	19.34	0.	0.
100	A	0.	0.	0.	0.28	0.	3.53	0.	19.34	0.	0.
	L	0.	0.	0.	0.28	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.96	0.	1.67	0.	0.
110	A	0.	0.	0.	0.31	0.	0.96	0.	1.67	0.	0.
	L	0.	0.	0.	0.31	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.35	0.	0.73	0.	0-
120	A	0-	0.	0.	0.31	0.	0.35	0.	0.73	0.	0.
	L	0.	0.	0.	0.31	0.	0.	0.	0.	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

TABLE 62 CONT.

f	IL.	TER 5	AT	0040 AS	т		IN	SOL /	ANGLE 9	3.2 D	EG
\$	PE	CTRAL	BAND	1.57	0 2.9	8 MIC	RONS	ELI	EVATION	27.9	KM
SA \	/A	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.	0.43	0.	0.31	0.	0.
130	A	0.	0.	0.	0.33	0-	0.43	0.	0.31	0.	0.
	L	0.	0.	0.	0.33	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.42	0.	0.34	0.	0-
140	A	0.	0.	0.	0.35	0.	0.42	0.	0.34	0.	0.
	L	0.	0.	0.	0.35	0-	0.	0.	0.	0.	0-
	R	0.	0.	0.	0.	0.	0.28	0.	0.44	0.	0.
150	A	0.	0.	0.	0.41	0.	0.28	0.	0.44	0.	0.
	L	0.	0.	0.	0.41	0.	0.	0.	0.	0.	0-
	R	0.	0.	0.	0.	0.	0.38	0.	0.36	0.	0-
160	A	0.	0.	0.	0.31	0.	0.38	0.	0.36	0.	0.
	L	0.	0.	0.	0.31	0-	0.	0.	0.	0.	0-
	R	0.	0.	0.	0.	0.	0.97	0.	0.	0.	0.
170	A	0.	0.	0.	0.	0.	0.97	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0-	1.18	0.	0.	0.	0.
180	A	0.	0.	0.	0.	0.	1.18	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

TABLE 62 CONT.

FILTER 5 AT 0040 AST INSUL ANGLE 93.2 DEG									EG		
,	SPE	CTRAL	BAND	1.57 T	0 2.9	8 MIC	RONS	EL	EVATION	27.9	KM
SA	/A	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.53	0.	0.80	0.	1.46	0.	0.
0	A	0.	0.	0.	0.71	0.	0.93	0.	2.79	0.	0.
	L	0.	0.	0.	0.47	0.	0.47	0.	2.38	0.	0.
	R	0.	0.	0.	0.	0.	1.06	0.	1.13	0.	0.
10	A	0.	0.	0.	0.42	0.	1.06	0.	4.69	0.	0.
	L	0.	0.	0.	0.42	0.	0.	0.	4.55	0.	0.
	R	0.	0.	0.	0.	0.	1.42	0.	2.00	0.	0.
20	A	0.	0.	0.93	0.51	0.	1.42	0.	3.22	0.	0.
	L	0.	0.	0.93	0.51	0.	0.	0.	2.52	0.	0.
	R	0.	0.	0.	0.	0.	0.68	0.	1.13	0.	0.
30	A	0.	0.	0.	0.65	0.	0.68	0.	1.89	0.	0.
	L	0.	0.	0-	0.65	0.	0.	0.	1.51	0.	0.
	R	0.	0.	0.	0.	0.	1.45	0.	0.95	0.	0.
40	A	0.	0.	0.	0.53	0.	1.45	0.	15.65	0.	0.
	L	0.	0.	0.	0.53	0.	0.	0.	15.62	0.	0.
	R	0.	0.	0.	0.	0.	1.94	0.	1.49	0.	0.
50	A	0.	0.	0.	0.35	0.	1.94	0.	15.04	0.	0.
	L	0.	0.	0.	0.35	0.	0.	0.	14.97	0.	0.
	R	0.	0.	0.	0.	0.	2.06	0.	4.86	0.	0.
60	A	0.	0.	0.	0.32	0.	2.06	0.	4.87	0.	0.
	L	0.	0.	0.	0.32	0.	0.	0.	0.23	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

FIL	TER -	5 · AT	0040 A	ST		IN	ISOL 4	ANGLE 9	3.2 0
SPE	CTRAL	. BAND	1.57	TO 2.9	8 MIC	RONS	EL	EVATION	27.9
VA SA	0	10	20	30	40	50	60	70	80
R	0.	0-	0.	0.	0.	0.90	0.	1.09	0.
70 A	0.	0.	0.	0.27	0.	0.90	0.	1.11	0.
L	0.	0.	0.	0.27	0.	0.	0.	0.22	0.
R	0.	0.	0.	0.	0.	0.62	0.	1.66	0.
80 A	0.	0.	0.	0.31	0-	0.62	0.	1.67	0.
L	0-	0.	0.	0.31	0.	0.	0.	0.24	0.
R	0-	0.	0.	0.	0.	1.31	0.	6.91	0.
90 A	0.	0.	0.	0.31	0.	1.31	0.	6.92	0.
L	0.	0.	0.	0.31	0.	0.	0.	0.40	0.
R	0.	0.	0.	0.	0.	2.16	0.	18.46	0.
100 A	0.	0.	0.	0.22	0.	2.16	0.	18.46	0.
L	0-	0.	0.	0.22	0.	0.	0.	0.	0.
R	0.	0.	0.	0.	0.	0.40	0.	0.63	0.
110 A	0.	0.	0.	0.22	0.	0.40	0.	0.63	0.
L	0.	0.	0.	0-22	0.	0.	0.	0.	0.
R	0.	0.	0.	0.	0.	0.26	0.	0.39	0.
120 A	0.	0.	0.	0.24	0-	0.26	0.	0.39	0.
L	0.	0.	0.	0.24	0.	0.	0.	0.	0.

TABLE 63 CONT.

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

	FIL	TER 5	AT (0040 AS	IN	SOL AN	GLE 9	3.2 DE	G		
	SPE	CTRAL	BAND	1.57 T	0 2.9	8 MICR	ONS	ELEV	ATION	27.9	KM
S	VA	0	10	20	30	40	50	60	70	80	90
3,											
	R	0.	0.	0.	0.	0.	0.29	0.	0.23	0.	0.
130	A	0-	0.	0.	0.23	0.	0.29	0.	0.23	0.	0-
	L	0.	0.	0.	0.23	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.27	0.	0.26	0.	0.
140	A	0.	0.	0.	0.24	0.	0.27	0.	0.26	0.	0-
	L	0.	0.	0.	0.24	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.20	0.	0-25	0.	0-
150	A	0.	0.	0.	0.29	0.	0.20	0.	0.25	0.	0.
	L	0-	0.	0.	0.29	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.28	0.	0.26	0.	0.
160	A	0.	0.	0.	0.20	0.	0.28	0.	0.26	0.	0.
	L	0.	0.	0.	0.20	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.38	0.	0.	0.	0.
170	A	0.	0.	0.	0.	0.	0.38	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.33	0.	0.	0.	0.
180	A	0.	0。	0.	0.	0.	0.33	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

TABLE 63 CONT.

	. FILTE	R - 5	· AT 00)40 AS	т		IN	SOL AN	GLE 9	3.2 DI	EG
1	SPECT			1.57 T		8 MICR			ATION		KM
I	VA SA	0	10	20	30	40	50	60	70	80	90
I	0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
-	10	0.	0.	0.	0.	0.	0.	0.	375.	0.	0.
	20	0.	0.	0.	0.	0.	0.	0.	630.	0-	0.
I	30 .	0.	0.	.0.	0.	0.	0.	0.	600.	0.	0.
•	40	0.	0.	0.	0.	0.	435.	0.	390.	0.	0-
	50	0.	0.	0.	0.	0.	285.	0.	254.	0.	0.
π	60	0.	0.	15.	525.	0.	210.	0.	480.	0.	0.
	70	0.	0.	0.	390.	0.	240.	0.	435.	0.	0.
П	80	0.	0.	0.	405.	0.	210.	0.	405.	0-	0.
H	90	0.	0.	0.	375.	0.	225.	0.	375.	0.	0.
	100	0.	0.	0.	465.	0.	225.	0.	270.	0.	0.
	110	0.	0.	0-	495.	0.	195.	0.	180.	0.	0.
	120	0.	0.	0.	0.	0.	270.	0.	300.	0-	0.
	130	0.	0.	0.	0.	0.	360.	0.	345.	0.	0.
Ħ	140	0.	0-	0.	0.	0.	135.	0.	315.	0.	0.
	150	0.	0.	0.	0.	0.	0.	0.	240.	0-	0.
_	160	0.	0.	0.	0.	0.	0.	0.	15.	0-	0.
	170	0.	0-	0.	0.	0.	0.	0.	0.	0.	0.
•	180	0.	0.	0.	0.	0.	0.	0.	0.	0-	0.
	RADIANCE	VAL	UES ARE	E IN M	ICROWA	TTS PE	R SQ.	CM. PE	R STER	ADIAN.	•

TABLE 64

	FILTER	5 AT	0040 AS	T		IN	SOL	ANGLE S)3.2 D	EG
	SPECTR	AL BAND	1.57 T	0 2.9	98 MI	CRONS	EL	EVATION	27.9	KM
SA	VA C	10	20	30	40	50	60	70	80	90
0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.	0.	45.51	0-	0.
20	0.	0.	0.	0.	0.	0.	0.	36.77	0.	0.
30	0.	0.	0.	0.	0.	0.	0.	33.86	0.	0.
40	0.	0.	0.	0.	0.	16.84	0.	29.08	0.	0.
50	0.	0.	0.	0.	0.	23.50	0.	22.17	0.	0.
60	0.	0.	5.74	4.93	0.	19.02	0.	23.01	0.	0.
70	0.	0.	0.	1-14	0.	14.73	0.	14.56	0-	0.
80	0.	0.	0.	0.42	0.	11.72	0.	14.46	0-	0.
90	0.	0.	0.	0.37	0.	8.88	0.	15.80	0.	0.
100	0.	0.	0.	0.31	0.	1-41	0.	17.46	0.	0.
110	0.	0.	0.	0.36	0.	0.39	0.	1.53	0.	0.
120	0.	0.	0.	0.	0.	0.44	0.	0.64	0-	0.
130	0.	0.	0.	0.	0.	0.42	0.	0.30	0.	0.
140	0.	0.	0.	0.	0.	1.13	0.	0.37	0.	0.
150	0.	0.	0.	0.	0.	0.	0.	0.44	0.	0.
160	0.	0.	0.	0.	0.	0.	0.	0.34	0.	0.
170	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
180	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

VIEWING ANGLE AND SCATTERING ANGLE ARE IN DEGREES.

	FILT	ER 5	AT O	040 AS1	r		IN:	SOL AN	GLE 9	3.2 DE	G
	SPEC	TRAL E	BAND	1.57 TO	2.98	MICRO	ONS	ELEV	ATION	27.9	KM
				•						•	
S	VA A	0	10	20	30	40	50	60	70	80	90
	0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1	0	0.	0.	0.	0.	0.	0.	0.	4.92	0.	0-
2	0	0.	0.	0.	0.	0.	0.	0.	7.74	0.	0.
3	0	0-	0.	0.	0.	0.	0.	0.	11.69	0.	0.
4	0	0.	0.	0.	0.	0.	3.28	0.	16.13	0.	0.
5	0	0-	0.	0.	0.	0.	1.30	0.	20.95	0.	0-
6	0	0.	0.	0.93	1.49	0-	1.67	•	20.36	0.	0.
7	0	0.	0.	0.	0.60	0.	1.43	0.	14.78	0.	0.
8	0	0-	0.	0.	0.30	0.	0.78	0.	11.81	0.	0.
9	0	0-	0.	0.	0.27	0.	3.27	0.	9.81	0.	0.
10	0	0.	0.	0-	0.24	0-	0.81	0.	18.19	0.	0.
11	0	0-	0.	0.	0.25	0.	0.28	0.	0.56	0.	0.
12	0	0.	0.	0.	0.	0.	0.28	0.	0.40	0.	0.
13	0	0-	0.	0.	0.	0.	0.35	0.	0.22	0.	0.
14	0	0-	0.	0-	0.	0.	0.34	0.	0.25	0.	0.
15	0	0-	0.	0.	0.	0.	0.	0.	0.26	0.	0.
16	0	0•	0.	0.	0.	0.	0.	0.	0.35	0.	0.
17	0	0-	0.	0.	0.	0.	0.	0.	0.	0.	0.
18	0	0•	0.	0-	0.	0.	0.	0.	0.	0.	0.
RA	D I ANC	E VALU	JES ARI	E IN MI	CROWAT	TS PER	sq. (CM. PE	R STER	ADIAN.	

VIEWING ANGLE AND SCATTERING ANGLE ARE IN DEGREES.

FILTER 4 AT 0044 AST

INSOL ANGLE 93.1 DEG

s	PE	CTRAL	BAND	2.76 TC	3.2	5 MICR	ONS	ELEV	ATION	28.7	KM
SA V	A	0	10	20	30	40	50	60	70	80	90
	R	0-	0.	0.	0.	75.	0.	75.	133.	0.	0.
0	A	0.	0.	0.	0.	83.	0.	83.	164.	0.	0.
	L	0.	0.	0.	0.	90.	0.	90.	195.	0.	0.
	R	0.	0.	0.	0.	120.	15.	240.	102.	0.	0.
10	A	0.	0.	0.	0.	143.	23.	240.	194.	0.	0.
	L	0.	0.	0.	0.	165.	30.	240.	285.	0.	0.
	R	0.	0.	0.	0.	15.	0.	210.	0.	0.	0.
20	A	0.	0.	0.	0.	60.	15.	128.	158.	0.	0.
	L	0.	0.	0.	0.	105.	30.	45.	315.	0.	0.
	R	0.	0.	0.	75.	0.	0.	135.	0-	0.	0.
30	A	0.	0.	0.	38.	83.	0.	68.	90.	0.	0.
	L	0.	0.	0.	0.	165.	0.	0.	180.	0.	0.
	R	0.	0.	0.	180.	0.	0.	210.	43.	0.	0.
40	A	0.	0.	0.	90-	75.	0.	105.	164.	0.	0.
	L	0.	0.	0.	0.	150.	0.	0.	285.	0.	0.
	R	0.	0-	0.	180-	0-	0.	150.	150.	0.	0.
50	A	0.	0.	0.	90•	105.	0.	75.	195.	0.	0.
	L	0.	0.	0.	0.	210.	0.	0.	240.	0.	0.
	R	0.	0.	0.	195.	0.	0.	225。	210.	0-	0.
60	A	0.	0.	0.	98.	75.	0.	113.	233.	0.	0.
	L	0.	0.	0.	0.	150.	0.	0.	255.	0.	0.

TABLE 67

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

			AT 00								
	VA SA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	210.	0.	0.	90.	222.	0.	0.
=	70 A	0.	0.	0.	105.	68.	8.	45.	239.	0.	0.
	L	0.	0.	0.	0.	135.	15.	0.	255.	0-	0.
	R	0.			195.	0.	0.	210.	180.	0.	0.
=	80 A	0.	0.		98.	90•	0.	105.	210.	0.	0.
t	L	0-	0.	0.	0.	••••	0.	0.	240.	0.	0.
	R	0.	0.	0.	180.	0.	0.	135.		0.	0.
	90 A	0.	0.			60.	0.	68.	248.	0.	0.
	L	0.	0.	0.	0.	120.	0.	0.	240.	0.	0.
	R	0.	0.	0-	225.	0.	0.	195.	255.	0.	0.
	100 A	0.	0.	0.	113.	90•	0.	98.	203.	0.	0.
n	L	0.	0.	0.	0.	180.	0.	0.	150.	0.	0.
	R	0-	0.	0.	180.	0.	0.	164.	315.	0.	0.
0	110 A	0-	0.	0.	90.	60.	0.	82.	158.	0.	0.
¥	L	0.	0.	0.	0.	120.	0.	0.	0.	0.	0.
	R	0.	0.	0.	210.	0.	0.	179.	224.	0.	0.
_	120 A	0-	0.	0.	105.	75.	15.	90.	112.	0.	0.
	L	0.	0.	0.	0.	150.	30.	0.	0.	0.	0.
	RADIANCE	VAL	UES ARE	IN M	ICROWA	TTS PE	R SQ.	CM. PE	R STER	ADIAN.	•

TABLE 67 CONT.

FILTER 4 AT 0044 AST INSOL ANGLE 93.1 DEG

SPECTRAL BAND 2.76 TO 3.25 MICRONS ELEVATION 28.7 KM

SA VA	0	10	20	30	40	50	60	70	80	90
R	0.	0.	0.	210.	0.	0.	165.	240.	0.	0.
130 A	0.	0.	0.	105.	60.	0.	83.	120.	0.	0.
L	0.	0.	0.	0.	120.	0.	0.	0.	0.	0.
R	0.	0.	0.	180.	0.	0.	60.	345.	0.	0.
140 A	0.	0.	0.	90.	75.	8.	30.	173.	0.	0.
Ł	0.	0.	0.	0.	150.	15.	0.	0.	0.	0.
R	0.	0.	0.	240.	0.	0.	0.	255.	0.	0.
150 A	0.	0.	0.	120.	68.	0.	0.	128.	0.	0.
L	0.	0.	0.	• 0.	135.	0.	0.	0.	0.	0.
R	0.	0.	0.	210.	0.	0.	0.	238.	0.	0.
160 A	0.	0.	0.	105.	68.	0.	0.	119.	0.	0.
L	0.	0.	0.	0.	135.	0.	0.	0.	0.	0.
R	0.	0.	0.	120.	0.	0.	0.	15.	0.	0.
170 A	0.	0.	0.	60.	0.	0.	0.	8.	0.	0.
L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.,
R	0.	0.	0.	0.	0-	0.	0.	0.	0-	0.
180 A	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

TABLE 67 CONT.

Ī	_					_	·					
•					0044 AS				ISOL AF		3.1 D	
	•	SPE	CTRAL	BAND	2.76 T	0 3.2	5 MICR	ONS	EFE	ATION	28.7	KM
	SA	/A	0	10	20	30	40	50	60	70	80	90
I		R	0.	0.	0.	0.	0.41	0.	0.81	7.60	0.	0.
=	0	A	0.	0.	0.	0.	0.31	0.	0.66	4.71	0.	0.
		L	0.	0.	0.	0.	0.23	0.	0.55	2.74	0.	0.
		R	0.	0.	0.	0.	0.52	0.57	1.42	12.90	0.	0.
	10	A	0.	0.	0.	0.	0.30	0.29	0.86	4.09	0.	0.
		L	0.	0.	0.	0.	0.14	0.15	0.29	0.93	0.	0.
п		R	0.	0.	0.	0.	0.62	0.	2.97	0.	0.	0.
	20	A	0.	0.	0.	0.	0.21	0.16	2.47	0.56	0.	0-
		L	0.	0.	0.	0.	0.15	0.16	0.13	0.56	0.	0-
		R	0.	0.	0.	0.14	0.	0.	3.63	0.	0.	0-
	30	A	0.	0.	0.	0.14	0.23	0.	3.63	0.71	0.	0.
П		L	0.	0.	0.	0.	0.23	0.	0.	0.71	0.	0-
		R	0.	0.	0.	0.14	0.	0.	2.02	12.82	0.	0.
1	40	A	0.	0.	0.	0.14	0.21	0.	2.02	2.56	0.	0.
_		L	0-	0.	0.	0.	0.21	0.	0.	1.01	0-	0-
		R	0.	0.	0.	0.13	0.	0.	0.75	6.24	0.	0.
•	50	A	0.	0.	0.	0.13	0.26		0.75			0.
5		L	0.	0.	0.	0.	0.26	0.	0.	0.63	0.	0.
		R	0.	0.	0.		0.		0.18			0.
_	60	A	0.	0.	0.		0.38		0.18			0.
		L		0.	0.	0.			0.	0.52		0-
_	RADI	AN	CE VA	LUES A	RE IN M	ICROWA	TTS PE	R SQ.	CM. P	R STER	ADIAN	•

TABLE 68

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

F	ILI	ER 4	AT O	44 AST		INS	SOL ANG	LE 93	3.1 DE	•					
S	PEC	TRAL E	BAND 2	2.76 TO	3.2	MICRO	ONS	ELEVA	ATION 2	28.7					
V SA	A	0	10	20	30	40	50	60	70	80	90				
	R	0.	0.	0.	0.31	0.	0.	0.16	0.53	0.	0.				
70	A	0.	0.	0.	0.31	0.38	0.44	0.16	0.58	0.	0.				
	L	0.	0.	0.	0.	0.38	0.44	0.	0.63	0.	0.				
	R	0.	0.	0.	0.31	0.	0.	0.48	0.55	0.	0.				
80	A	0.	0.	0.	0.31	0.39	0.	0.48	0.62	0.	0.				
	L	0.	0.	0.	0.	0.39	0.	0.	0.67	0.	0.				
	R	0.	0.	0.	0.29	0.	0.	0.27	0.37	0.	0.				
90	A	0.	0.	0.	0.29	0.38	0.	0.27	0.48	0.	0.				
	L	0.	0.	0.	0.	0.38	0.	0.	0.59	0.	0.				
	R	0.	0.	0.	0.36	0.	0.	0.43	1.03	0.	0.				
100	A	0.	0.	0.	0.36	0.43	0.	0.43	0.92	0.	0.				
	L	0.	0.	0.	0.	0.43	0.	0.	0.75	0.	0.				
	R	0.	0.	0.	0.51	0.	0.	0.43	0.57	0.	0.				
110	A	0.	0.	0.	0.51	0.51	0.	0.43	0.57	0.	0.				
	L	0.	0.	0.	0.	0.51	0.	0.	0.	0.	0.				
	R	0.	0.	0.	0.52	0.	0.	0.50	0.49	0.	0.				
120	A	0.	0.	0.	0.52	0.66	0.59	0.50	0.49	0.	0.				
	L	0.	0.	0.	0.	0.66	0.59	0.	0.	0.	0.				
RADI	ANC	E VAL	JES ARI	E IN M	CROWA	TTS PE	R SQ. (CM. PEF	STER	ADIAN.					

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

TABLE 68 CONT.

								SOL AN	GLE 9	3.1 D	EG	
	SPECTRAL BAND 2.76 TO 3.25 M											
Si	VA A	0	10	20	30	40	50	60	70	80	90	
	R	0.	0.	0.	0.80	0.	0.	0.55	0.63	0.	0.	
130	A	0.	0.	0.	0.80	0.78	0.	0.55	0.63	0.	0.	
	L	0.	0.	0.	0.	0.78	0.	0.	0.	0.	0.	
	R	0.	0.	0.	0-60	0.	0.	0.69	0.58	0.	0.	
140	A C	0.	0.	0.	0.60	0.69	0.60	0.69	0.58	0.	0.	
	L	0.	0.	0.	0.	0.69	0.60	0.	0.	0.	0.	
	R	0.	0.	0.	0.53	0.	0.	0.	0.71	0.	0.	
150	A C	0.	0.	0.	0.53	0.49	0.	0.	0.71	0.	0.	
	L	0.	0.	0.	0.	0.49	0.	0.	0.	0.	0.	
	R	0.	0.	0.	1.26	0.	0.	0.	0.71	0.	0.	
160	A C	0.	0.	0.	1-26	0.40	0.	0.	0.71	0.	0.	
	L	0.	0-	0.	0.	0-40	0.	0.	0.	0.	0.	
	R	0.	0.	0.	1.16	0.	0.	0.	0.48	0.	0.	
170) A	0.	0.	0.	1.16	0.	0.	0.	0.48	0.	0.	
	L	0.	0.	0.	0.	0.	0-	0.	0.	0.	0.	
	R	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
180	A	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

TABLE 68 CONT.

F	FILTER 4 AT 0044 AST INSOL ANGLE 93-1 DEG										
S	PEC	TRAL	BAND 2	2.76 T	3.29	5 MICR	DNS	ELEV	ATION :	28.7	KM
SA.	/A	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0-	0.	0-18	0-	0-18	2.42	0-	0.
0	A	0.	0.	0.	0.	0.23	0.	0.26	2.65	0.	0.
	L	0.	0.	0.	0.	0-14	0.	0.19	1.08	0.	0.
	R	0.	0.	0.	0.	0.19	0.16	0.42	3.01	0.	0.
10	A	0.	0.	0.	0.	0.23	0.20	0-46	3.04	0.	0.
	L	0.	0.	0.	0.	0.11	0.12	0.20	0.38	0.	0.
	R	0.	0.	0.	0.	0.19	0.	0.85	0.	0.	0.
20	A	0.	0.	0.	0.	0.22	0.12	0.86	0.20	0.	0.
	L	0.	0.	0-	0.	0.11	0.12	0.11	0.20	0.	0.
	R	0.	0.	0.	0-11	0.	0.	0.47	0.	0.	0.
30	A	0.	0.	0.	0.11	0-16	0.	0.47	0.19	0.	0.
	L	0.	0.	0.	0-	0.16	0.	0.	0.19	0.	0.
	R	0.	0.	0.	0-11	0.	0.	0.49	1.31	0.	0.
40	A	0.	0.	0.	0.11	0.15	0.	0.49	1.70	0.	0.
	L	0.	0.	0.	0-	0-15	0.	0.	1.08	0.	0.
	R	0.	0.	0.	0-10	0.	0.	0.30	2.33	0.	0.
50	A	0.	0.	0.	0.10	0.16	0.	0.30	2.39	0.	0.
	L	0.	0.	0.	0.	0.16	0.	0.	0.53	0.	0.
	R	0.	0.	0.	0.11	0.	0.	0.14	0.63	0.	0.
60	A	0.	0.	0.	0-11	0.18	0.	0-14	0.65	0.	0.
	L	0.	0.	0.	0.	0.18	0.	0.	0.18	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

	FII	TER	A AT	0044 A	¢ T		TN	ISOL AN	ICI E G	3.1 D	EG.
			L BAND	2.76		5 MICR			ATION		KM
	VA SA	0	10 -	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.16	0.	0.	0.12	0.22	0.	0.
•	70 A	0.	0.	0.	0.16	0.17	0.20	0.12	0-29	0.	0.
	L	0.	0.	0.	0.	0-17	0.20	0.	0-19	0.	0.
	R	0.	0.	0.	0.18	0.	0.	0.21	0-20	0.	0.
	80 A	0.	0.	0.	0.18	0.15	0.	0.21	0-28	0.	0.
	L	0.	0.	0.	0.	0.15	0.	0.	0-19	0-	0.
П	R	0.	0.	0.	0.16	0.	0.	0.23	0.25	0.	0.
	90 A	0.	0.	0-	0.16	0-17	0.	0.23	0.31	0.	0.
	L	0.	0.	0.	0.	0-17	0.	0.	0-18	0.	0.
	R	0.	0.	0.	0.18	0.	0.	0.21	0.76	0.	0.
	100 A	0.	0.	0.	0.18	0.16	0.	0.21	0.79	0.	0.
n ·	L	0.	0.	0-	0.	0.16	0.	0.	0.20	0.	0.
	R	0.	0.	0.	0.16	0-	0.	0.15	0.21	0-	0.
0	110 A	0.	0.	0.	0.16	0.20	0.	0.15	0-21	0-	0-
u	L	0.	0.	0.	0.	0.20	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.20	0.	0.	0.17	0.20	0.	0.
=	120 A	0.	0-	0.	0.20	0.20	0.17	0.17	0.20	0.	0.
E	L	0.	0.	0.	0.	0.20	0.17	0.	0.	0.	0.
•	RADIAN	CE V	ALUES A	RE IN	HICROWA	TTS PE	R SQ.	CM. PE	R STER	AD I AN	•

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

TABLE 69 CONT.

	FILTER 4 AT 0044 AST INSOL ANGLE 93.1 DEG											
SPECTRAL BAND 2.76 TO 3.25 MICR							ONS	ELEV	ATION	28.7	KM	
SA	VA	0	10	20	30	40	50	60	70	80	90	
	R	0.	0.	0.	0.18	0.	0.	0.18	0-20	0.	0.	
130	A	0.	0.	0.	0.18	0.21	0.	0.18	0.20	0.	0.	
	L	0.	0.	0.	0.	0.21	0.	0.	0.	0.	0.	
	R	0.	0.	0.	0-21	0.	0.	0.19	0.19	0.	0.	
140	A	0.	0.	0.	0.21	0.21	0.18	0.19	0.19	0.	0.	
	L	0.	0.	0.	0.	0.21	0.18	0.	0.	0.	0.	
	R	0.	0.	0.	0.27	0.	0.	0.	0.21	0.	0.	
150	A	0.	0.	0.	0.27	0.18	0.	0.	0-21	0.	0.	
	L	0.	0.	0.	0.	0.18	0.	0.	0.	0.	0.	
	R	0.	0.	0.	0.31	0.	0.	0.	0.26	0.	0.	
160	A	0.	0.	0.	0.31	0.16	0.	0.	0.26	0.	0.	
	L	0.	0.	0.	0.	0.16	0.	0.	0.	0.	0.	
	R	0.	0.	0.	0.29	0.	0.	0.	0.12	0.	0.	
170	A	0.	0.	0.	0.29	0.	0.	0.	0.12	0.	0.	
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
	R	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
180	A	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

TABLE 69 CONT.

	FILTE	R 4	AT 00	44 AS		IN	SOL AN	GLE 9	3.1 D	EG	
	SPECT	RAL B	AND 2	.76 T	0 3.2	5 MICR	ONS	ELEV	ATION	28.7	KM
	VA SA	0	10 ;	20	30	40	50	60	70	80	90
E	0	0.	0.	0.	0-	0.	0.	0.	0.	0.	0.
T	10	0.	0.	0.	0.	0.	0.	0.	492.	0.	0.
	20	0.	0.	0.	0.	0.	0.	0.	418.	0.	0.
	30	0.	0-	0.	0.	0.	0.	855.	255.	0.	0.
	40	0.	0.	0.	0.	480.	60.	255.	300.	0.	0.
	50	0.	0.	0.	0.	360.	15.	240.	448.	0.	0.
	60	0.	0.	0.	195.	285.	0.	240.	450.	0.	0-
l I	70	0.	0-	0.	435.	225.	0.	120.	507.	0.	0.
	80	0.	0.	0.	405.	210.	15.	210.	450.	0.	0.
	90	0.	0.	0.	405.	225.	0.	195.	510.	0.	0.
	100	0.	0.	0.	465.	195.	0.	180.	390.	0.	0.
ſi	110	0.	0.	0.	570.	210.	30.	223.	345.	0.	0.
	120	0.	0.	0.	315.	285.	15.	210.	239.	0.	0.
	130	0.	0.	0.	0.	195.	0.	90.	285.	0.	0.
	140	0.	0.	0.	0.	0.	0.	0.	375.	0.	0.
	150	0.	0.	0-	0.	0.	0.	0.	343.	0.	0.
=	160	0.	0.	0.	0.	0.	0-	0.	15.	0.	0.
I	170	0.	0.	0.	0.	0.	0 -	0.	0.	0.	0.
	180	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
•	RADIANCE	VALU	ES ARE	IN M	ICROWA	TTS PE	R SQ.	CM. PE	R STER	ADIAN.	•

TABLE 70

FILTER 4 AT 0044 AST INS								GLE 9	3.1 0	EG
!	SPECTRAL	BAND	2.76	TO 3.2	5 MICR	ONS	ELEV	ATION	28.7	KM
SA	VA O	10	20	30	40	50	60	70	80	90
0	0.	0.	0.	0.	0.	0.	0•	0.	0.	0.
10	0.	0.	0.	0.	0.	0.	0.	4.71	0.	0.
20	0.	0.	0.	0.	0.	0.	0.	2.21	0.	0.
30	0.	0.	0.	0.	0.	0.	1-13	0.64	0.	0.
40	0.	0.	0.	0.	0.31	0.25	3.36	1.34	0.	0.
50	0.	0.	0.	0.	0.21	0.19	1.37	3.45	0.	0.
60	0.	0.	0.	0.14	0.26	0.	0.23	0.84	0.	0.
70	0.	0.	0.	0.14	0.37	0.	0.16	0.58	0.	0.
80	0.	0.	0.	0.31	0.39	0-44	0-48	0.62	0.	0.
90	0.	0.	0.	0.33	0.40	0.	0.31	0.51	0.	0.
100	0.	0.	0.	0.55	0.48	0.	0.44	0.90	0.	0.
110	0.	0.	0.	0.64	0.69	0.59	0.47	0.55	0.	0.
120	0.	0.	0.	1.22	0.66	0.60	0.53	0.53	0.	0.
130	0.	0.	0.	0.	0.42	0.	0.66	0.62	0.	0.
140	0.	0.	0.	0.	0.	0.	0.	0.61	0.	0.
150	0.	0.	0.	0.	0.	0.	0.	0.73	0.	0.
160	0.	0.	0.	0.	0.	0.	0.	0.48	0.	0.
170	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
180	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

VIEWING ANGLE AND SCATTERING ANGLE ARE IN DEGREES.

0	FII	TFQ · A	AT O	044 AS	т		IN	SOL AN	GLE 9	3.1 D	EG
1		CTRAL		2.76 T		5 MICR			ATION		KM
1	VA SA	0	10	20	30	40	50	60	70	80	90
E	0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2					0.	0.	0.	0.	3.64	0.	0.
I	10	0.	0.	0.		0.	0.	0.	4.63	0.	0.
	20	0.	0.	0.	0.			0.98	0.22		
ŧ	30	0.	0.	0.	0.	0.	0.	0.70		0.	0.
17	40	0.	0.	0.	0.	0.23	0.22		3.06		0.
H	50	0.	0.	0.	0.	0-15	0.14	0.57	3.64	0.	0.
	60	0.	0.	0.	0.11	0-17	0•	0-19	0.57	0.	0.
Li	70	0.	0.	0.	0.11	0.18	0.	0.12	0.21	0-	0.
	80	0.	0.	0.	0.17	0.16	0.20	0.21	0.20	0-	0.
	90	0.	0.	0.	0.18	0.17	0.	0.23	0.31	0-	0.
	100	0.	0.	0.	0.20	0-19	0.	0.20	0.63	0.	0.
17	110	0.	0.	0.	0.29	0-21	0.17	0-16	0.22	0-	0.
	120	0.	0.	0.	0.30	0.23	0.18	0.19	0.20	0.	0.
IF	130	0.	0.	0.	0.	0-17	0.	0.19	0.19	0-	0.
	140	0.	0.	0.	0.	0.	0.	0.	0.19	0.	0.
I	150	0-	0.	0.	0.	0.	0.	0.	0.25	0-	0.
2	160	0.	0.	0.	0-	0.	0.	0.	0.12	0-	0.
I	170	0.	0.	0.	0.	0.	0.	0.	0.	0-	0.
-	180	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	RADIAN	ICE VAL	UES AF	RE IN M	ICROWA	ATTS PE	R SQ.	CM. PE	R STER	AD I AN	•

TABLE 72

VIEWING ANGLE AND SCATTERING ANGLE ARE IN DEGREES.

FILTER 3 AT	0050 AST		INSOL ANGLE	93.0 D	EG
SPECTRAL BAND	2.37 TO	2.80 MECRONS	ELEVATION	N 30.0	KM

SA	A	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	30.	45.	0.	75.	0.	0.
0	A	0.	0.	0.	0.	38.	45.	0.	75.	0.	0.
	L	0.	0.	0.	0.	45.	45.	0.	75.	0.	0.
	R	0.	0.	0.	0.	75.	45.	0.	130.	15.	0.
10	A	0.	0.	0.	0.	98.	45.	0.	155.	8-	0.
	L	0.	0.	0.	0.	120.	45.	0.	180.	0.	0.
	R	0.	0.	0.	0.	90.	30.	0.	149.	0.	0.
20	A	0.	0.	0.	0.	83.	45.	0.	120.	0-	0.
	L	0.	0.	0.	0.	75.	60.	0.	90.	0.	0.
	R	0.	0.	0.	15.	0.	0.	0.	165.	0.	0.
30	A	0.	0.	0.	8.	45.	38.	0.	225.	0-	0.
	L	0.	0.	0.	0.	90.	75.	0.	285.	0.	0.
	R	0.	0.	0.	150.	0.	0.	0.	210.	0.	0.
40	A	0.	0.	0.	75.	45.	23.	0.	263.	0.	0.
	L	0.	0.	0.	0.	90.	45.	0.	315.	0.	0.
	R	0.	0.	0.	180.	0.	0.	0.	144.	0.	0.
50	A	0.	0.	0.	90.	60.	23.	0.	237.	0.	0.
	L	0.	0.	0.	0.	120.	45.	0.	329.	0.	0.
	R	0.	0.	0.	195.	0.	0.	0.	210.	0.	0.
60	A	0.	0.	0.	98.	30.	45.	0.	240.	0.	0.
	L	0.	0.	0.	0.	60.	90•	0.	270.	0•	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

		,				-				
		R 3 AT								
I	VA (0 10	20	30	40	50	60	70	80	90
	R	0. 0	. 0.	150.	0.	0.	0.	149.	0.	0.
I	70 A	0. 0	. 0.	75.	45。	38.	0.	240.	0.	0.
•	L	0. 0	. 0.	0.	90.	75.	0.	330.	0.	0.
I	R	0. 0	• 0.	150.	0.	0-	0.	117.	0.	0.
17	80 A	0. 0	. 0.	75.	23.	75.	0.	209.	0.	0.
I	L	0. 0	. 0.	0.	45.	150.	0.	300.	0.	0.
	R	0. 0	. 0.	210.	0.	0.	0.	195.	0.	0.
11	90 A	0. 0	. 0.	105.	45。	38.	0.	240.	0.	0.
	L	0. 0	. 0.	0.	90.	75.	0.	285。	0.	0.
	R	0. 0	. 0.	210.	0.	0.	0.	225.	0.	0.
	100 A	0. 0	. 0.	105.	38.	38.	0.	263.	0.	0.
	L	0. 0	. 0.	0.	75。	75.	0.	300.	0.	0.
IJ	R	0. 0	. 0.	165.		0.	0.	165。	0.	0.
	110 A	0. 0	. 0.		15。	38。	0.	195.	0.	0.
	L	0. 0					0.	225。	0.	0.
	R	0. 0			0.			135.	0.	0.
I	120 A	0. 0				83.				0.
	L	0. 0			60.	165.	0.	194.	0.	0.
	RADIANCE	VALUES	ARE IN	MICROW	ATTS PE	R SQ.	CM. PE	R STE	RADIAN	,

TABLE 73 CONT.

FILTER	3 A1	0050 AST		INSOL ANGLE	93.0 DEG
SPECTRA	L BANI	2.37 TO	2.80 MICRONS	ELEVATIO	N 30.0 KM

VA Sa	0	10	20	30	40	50	60	70	80	90
R	. 0	. 0.	0.	195.	0.	0.	0.	0.	0.	0.
130 A	. 0	. 0.	0.	98.	45.	38.	0.	0.	0.	0.
Ĺ	. 0	. 0.	0.	0.	90•	75.	0.	0.	0.	0.
P	0	. 0.	0.	195.	0.	0.	0.	0.	0.	0.
140 A	0	. 0.	0.	98.	23.	38.	0.	0.	0.	0.
Ł	. 0	. 0.	0.	0.	45.	75.	0.	0.	0.	0.
H	O	. 0.	0.	210.	0.	0.	0.	0.	0.	0.
150 A	۰ 0	. 0.	0.	105.	23.	45.	0.	0.	0.	0.
ŧ	. 0	. 0.	0.	0.	45.	90.	0.	0.	0.	0.
F	R 0	. 0.	0.	180.	0.	0.	0.	0.	0.	0.
160	٥ م	. 0.	0.	90.	0.	0.	0.	0.	0.	0.
ı	_ 0	. 0.	0.	0.	0.	0.	0.	0.	0-	0.
F	٠ 0	. 0.	0.	225.	0.	0.	0.	0.	0.	0.
170	٥ (. 0.	0.	113.	0.	0.	0.	0.	0.	0.
ı	_ 0	. 0.	0.	0.	0-	0.	0.	0.	0.	0.
, F	٠ 0	. 0.	0.	30.	0.	0.	0.	0.	0.	0.
180	4 0	. 0.	0.	15.	0.	0.	0.	0.	0.	0.
1	L 0	. 0.	0.	0.	0.	0.	0.	0.	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

TABLE 73 CONT.

	FIL	TER :	3 AT	0050 AS	ST .		IN	SOL	ANGLE S	93.0 D	EG
	SPE	CTRAL	BAND	2.37	10 2.8	O MICR	ONS	EL	EVAT ION	30.0	KM
S	VA A	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	1.86	1.91	0.	6.94	0.	0.
(0 A	0.	0.	0.	0.	1.52	1.56	0.	5.66	0.	0.
	L	0-	0.	0.	0.	1.29	1.22	0.	4.38	0.	0.
	R	0.	0.	0.	0.	2.50	2.66	0.	21.25	26.95	0.
1	0 A	0.	0.	0.	0.	1.39	1.66	0.	10.78	26.95	0.
	L	0.	0.	0.	0.	0.69	0.66	0.	3.23	0.	0.
	R	0.	0.	0.	0.	3.08	3.11	0.	36.67	0.	0.
2	0 A	0.	0.	0.	0.	1.95	1.45	0.	24.18	0.	0.
	L	0.	0.	0.	0.	0.59	0.62	0.	3.51	0.	0-
	R	0.	0.	0.	0.93	0.	0.	0.	36.49	0.	0.
3	0 A	0.	0.	0.	0.93	0.81	0.83	0.	15.11	0.	0.
	L	0	0.	0.	0.	0.81	0.83	0.	2.74	0.	0.
	R	0.	0.	0.	0.91	0.	0.	0.	38.02	0.	0.
4	0 A	0.	0.	0.	0.91	0.58	0.66	0.	16.21	0.	0.
	L	0.	0.	0.	0.	0.58	0.66	0.	1.66	0.	0.
	R	0.	0.	0.	0.54	0.	0.	0.	14.25	0.	0.
5	0 A	0.	0.	0.	0.54	1.17	1.12	0.	6.89	0.	0.
	L	0.	0.	0.	0.	1.17	1.12	0.	3.67	0.	0.
	R	0.	0.	0.	0.19	0.	0.	0.	4.10	0.	0.
6	0 A	0.	0.	0.	0.19	1.32	1.35	0.	2.91	0.	0.
	L	0.	0.	0.	0.	1.32	1.35	0.	1.99	0.	0.
RA	DIAN	CE VA	LUES A	RE IN	MICROWA	TTS PE	R SQ.	CM.	PER STE	RADIAN	•

TABLE 74

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

	FI	LTER :	3 AT	0050 AS	T		IN	SOL A	NGLE 9	3.0 D	EG
	SP	ECTRAL	BAND	2.37 1	0 2.8	O MICR	ONS	ELE	VATION	30.0	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.28	0.	0.	0.	2.69	0.	0.
70	A	0.	0.	0.	0.28	1.32	1.40	0.	2.14	0.	0.
	L	0.	0.	0.	0.	1.32	1.40	0.	1.88	0.	0.
	R	0.	0.	0.	0.61	0.	0.	0.	1.75	0.	0.
80	A	0.	0.	0.	0.61	1.37	1.39	0.	1.94	0.	0.
	L	0.	0.	0.	0.	1.37	1.39	0.	2.02	0.	0.
	R	0.	0.	0.	0.91	0.	0.	0.	4.19	0.	0.
90	A	0.	0.	0.	0.91	1.48	1.35	0.	2.97	0.	0.
	L	0.	0.	0.	0.	1.48	1.35	0.	2-14	0.	0.
	R	0.	0.	0.	1.19	0.	0.	0.	1.86	0.	0.
100	A	0.	0.	0.	1.19	1.44	1.46	0.	2.00	0.	0-
	L	0.	0.	0.	0.	1.44	1.46	0.	2.11	0.	0.
	R	0.	0.	0.	1.45	0.	0.	0.	2.16	0.	0.
110	A	0.	0.	0.	1.45	1.61	1.55	0.	2.23	0.	0.
	L	0.	0.	0.	0.	1.61	1.55	0.	2.29	0.	0.
	R	0.	0.	0.	1.41	0.	0.	0.	2.09	0.	0.
120	A	0.	0.	0.	1.41	1.95	1.98	0.	2.47	0.	0.
	L	0.	0.	0.	0.	1.95	1.98	0.	2.73	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

TABLE 74 CONT.

1	FIL	TER	3 AT	0050 AS	ST		IN	ISOL A	NGLE	93.0 D	EG
\$	SPE	CTRAL	BAND	2.37 1	ro 2.8	O MICR	IONS	ELE	VATION	30.0	KM
SA	/A	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	1.81	0.	0.	0.	0.	0.	0.
30	A	0-	0.	0.	1.81	2.07	1.97	0.	0.	0.	0.
	L	0.	0.	0.	0.	2.07	1.97	0.	0.	0.	0.
	R	0.	0.	0.	2.05	0.	0.	0.	0.	0.	0.
40	A	0.	0.	0.	2.05	1.98	2.01	0.	0.	0.	0.
	L	0.	0.	0.	0.	1.98	2.01	0.	0.	0.	0.
	R	0.	0.	0.	1.56	0.	0.	0.	0.	0.	0.
.50	A	0.	0.	0.	1.56	1.68	1.73	0.	0 ₉	0.	0.
	L	0.	0.	0.	0.	1.68	1.73	0.	0.	0.	0.
	R	0.	0.	0.	2.04	0.	0.	0.	0.	0.	0.
60	A	0.	0.	0.	2.04	0.	0 0	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	2.81	0.	0.	0.	0.	0.	0.
170	A	0.	0.	0.	2.81	0.	0.	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	2.22	0.	0.	0.	0.	0.	0.
180	A	0.	0.	0.	2.22	0.	0.	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
RAD	[AN	CE VA	LUES A	RE IN	11 CROWA	TTS PE	R SQ.	CM. P	ER STE	RADIAN	•

RADIANCE VALUES ARE IN MICROWATTS PER SQ. (M. PER STERADIAN.
VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

TABLE 74 CONT.

F	ILI	TER 3	AT O	050 AS	T		IN	SOL AN	GLE 9	3.0 DE	G
5	SPEC	TRAL	BAND	2.37 T	0 2.8	MICR	ONS	ELEV	ATION :	30.0	KM
SA	/A	0	10	20	30	40	50	60	70	80	90
	R	0.	0•	0.	0.	0.40	0.21	0.	0.92	0.	0.
0	A	0.	0.	0.	0.	0.51	0.50	0.	1.12	0.	0.
	L	0.	0.	0.	0.	0.31	0.45	0.	0.64	0.	0.
	R	0.	0.	0.	0.	0.28	0.27	0.	9.52	1.03	0.
10	A	0.	0-	0.	0.	0.36	0.35	0.	9.55	1.03	0.
	L	0.	0.	0.	0.	0.23	0.22	0.	0.71	0.	0.
	R	0.	0.	0.	0.	0.24	0.22	0.	1.94	0.	0.
20	A	0.	0.	0-	0.	0.33	0.32	0.	2.02	0.	0.
	L	0.	0.	0.	0.	0.23	0.23	0.	0.54	0.	0.
	R	0.	0.	0.	0.17	0.	0.	0.	1.32	0.	0.
30	A	0.	0.	0.	0.17	0.27	0.24	0.	1.43	0.	0.
	L	0.	0.	0.	0.	0.27	0.24	0.	0.54	0.	0.
	R	0.	0.	0.	0.22	0.	0.	0.	4.05	0.	0.
40	A	0.	0.	0.	0.22	0.31	0.32	0.	4-12	0.	0.
	L	0.	0-	0.	0.	0.31	0.32	0.	0.76	0.	0.
	R	0.	0.	0.	0.25	0.	0.	0.	9.57	0.	0.
50	A	0.	0.	0.	0.25	0.27	0.27	0.	10-26	0.	0.
	L	0.	0.	0.	0.	0.27	0.27	0.	3.71	0.	0.
	R	0.	0-	0.	0.14	0.	0.	0.	0.76	0.	0.
60	A	0.	0.	0-	0.14	0.24	0.22	0.	0.81	0.	0.
	L	0.	0.	0.	0.	0.24	0.22	0.	0-28	0.	0.
0 4 0 1	ANC	E VAL	IEC AD	C IN M	I C D O W A	TTC DE	P SO.	M. DE	D STED	ADTAN.	

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

	F	: IL	TER	3 AT (050 AS	ST .		11	ISOL A	NGLE 9	3.0 D	EG
D	•	SPE	CTRAL	BAND	2.37 1	0 2.8	O MICR	ONS	ELE	VATION	30.0	KM
	SA	/A	0	10	20	30	40	50	60	70	80	90
I		R	0.	0.	0.	0.19	0.	0.	0.	0.34	0.	0.
I	70	A	0.	0.	0.	0.19	0.23	0.22	0.	0.43	0.	0.
		L	0-	0.	0.	0.	0.23	0.22	0.	0.26	0.	0.
I		R	0.	0.	0.	0.21	0.	0.	0-	0.68	0.	0.
f T	80	A	0.	0.	0.	0.21	0.24	0.22	0.	0.72	0.	0.
		L	0.	0.	0.	0.	0.24	0.22	0.	0.24	0.	0.
The state of the s		R	0.	0.	0.	0.24	0.	0.	0.	3.80	0.	0-
l:	90	A	0.	0.	0.	0.24	0.24	0.25	0.	3.80	0.	0.
		L	0.	0.	0-	0.	0.24	0.25	0.	0.24	0.	0.
		R	0.	0.	0.	0.25	0.	0.	0.	0.28	0.	0.
-	100	A	0.	0.	0.	0.25	0.26	0.23	0.	0.36	0.	0.
) a manual of		L	0.	0.	0.	0.	0.26	0.23	0.	0.23	0.	0.
li		R	0.	0.	0.	0.24	0.	0.	0。	0.24	0.	0.
II	110	A	0.	0.	0.	0.24	0.21	0.23	0.	0.34	0.	0.
		L	0.	0.	0.	0.	0.21	0.23	0.	0.25	0.	0.
		R	0.	0.	0.	0-23	0.	0.	0.	0.24	0.	0.
n	120	A	0.	0.	0.	0.23	0.26	0.26	0.	0.41	0.	0.
		L	0.	0.	0.	0.	0.26	0.26	0.	0.33	0.	0.
I	RADI	AN	CE VAL	UES AR	E IN M	ICROWA	TTS PE	R SQ.	CM. P	ER STER	AD I AN	•

ADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN
VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

TABLE 75 CONT.

	FIL	TER 3	B AT	0050 AS	ST .		IN	SOL A	NGLE	93.0 D	EG
	SPE	CTRAL	BAND	2.37 1	0 2.8	O MICR	ONS	ELE	OITAV	N 30.0	KM
S	VA	0	10	20	30	40	50	60	70	80	90
3,	R	^	•	0	0.20	•	•	•	•	•	•
	ĸ	0.	0.	0.	0.30	0.	0.	0.	0.	0.	0.
130) A	0.	0.	0.	0.30	0.24	0.26	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.24	0.26	0.	0.	0.	0.
	R	0.	0.	0.	0.27	0.	0.	0.	0.	0.	0.
140	A	0.	0.	0.	0.27	0.28	0.24	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.28	0.24	0.	0.	0.	0.
	R	0.	0.	0.	0.24	0.	0.	0.	0.	0.	0.
150	A	0.	0.	0.	0.24	0.25	0.28	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.25	0.28	0.	0.	0.	0.
	R	0.	0.	0.	0.37	0.	0.	0.	0.	0.	0.
160) A	0.	0.	0.	0.37	0.	0.	0.	0.	0.	0-
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.33	0.	0.	0.	0.	0.	0.
170	A	0.	0.	0.	0.33	0.	0.0	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.24	0.	0.	0.	0.	0.	0.
180	A	0.	0.	0.	0-24	0.	0.	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

TABLE 75 CONT.

	FILTE		AT O	060 AC	-		* **	COL AN	cie o	2 A N	er.
	SPECT			2.37 T		O MICR		SOL AN	ATION		KM
		0	10	20	30	40	50	60	70	80	90
	SA O	0.	0.	0.	0•	0.	0.	0.	0.	0.	0.
_	10	0.									0.
I			0.	0.	0.	0.	0.	0.	310.	15.	
_	20	0.	0.	0.	0.	0.	0.	0.	299.	0.	0.
	30	0.	0.	0.	0.	0.	0.	0.	435.	0.	0.
п	40	0.	0.	0-	0.	315.	255。	0.	585.	0.	0.
	50	0.	0.	0.	0.	240.	120.	0.	458.	0.	0.
П	60	0.	0.	0.	105.	180.	75.	0.	540.	0.	0.
11	70	0.	0.	0.	420.	120.	135。	0.0	494.	0.	0.
	80	0.	0.	0.	315.	75.	180.	0.	402.	0.	0.
11	90	0.	0.	0.	420.	120.	90.	0.	540.	0.	0.
	100	0.	0.	0.	375.	75.	120.	0.	525.	0.	0.
F7	110	0.	0.	0.	660.	90.	225。	0.	435~	0.	0.
	120	0.	0.	0.	330.	150.	165.	0.	224.	0.	0.
П	130	0.	0.	0.	0.	0.	15.	0.	0.	0.	0.
	140	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	150	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
u	160	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	170	0.	0.	0.	0.	0.	0.	0.		0.	0.
	180	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	RADIANCE										
ar.						_	-	_			

TABLE 76

	FILTER	3 AT	00 50 A	ST		IN	SOL	ANGLE 9	3.0 D	EG
	SPECTRA	L BAND	2.37	TO 2.8	O MICR	ONS	EL	EVATION	30.0	KM
SA	VA O	10	20	30	40	50	60	70	80	90
0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.	0.	8.84	26.95	0-
20	0.	0.	0.	0.	0.	0.	0.	16.78	0.	0-
30	0.	0.	0.	0.	0.	0.	0.	15.23	0.	0.
40	0.	0.	0.	0.	1.53	1.47	0.	18.59	0.	0.
50	0.	0.	0.	0.	1:30	1.04	0.	6.96	0.	0.
60	0.	0.	0.	0.93	0.98	1.14	0 .	2.76	0.	0.
70	0.	0.	0.	0.44	1.33	1.36	0.	2.13	0.	0-
80	0.	0.	0.	0.44	1.33	1.39	0.	1.94	0.	0.
90	0.	0.	0.	1.05	1.48	1-40	0.	2.85	0.	0.
100	0.	0.	0.	1.44	1.48	1.51	0.	2.02	0.	0.
110	0.	0.	0.	1.84	1.97	1.97	0.	2.24	0.	0-
120	0.	0.	0.	2.62	1.94	1.90	0 .	2.60	0.	0-
130	0.	0.	0.	0.	0.	1.65	0.	0.	0.	0-
140	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
150	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
160	0-	0.	0.	0.	0.	0.	0.	0.	0.	0-
170	0-	0.	0.	0.	0.	0.	0.	0.	0.	0.
180	0-	0.	0.	0.	0.	0.	0.	0.	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

VIEWING ANGLE AND SCATTERING ANGLE ARE IN DEGREES.

FIL	TER	3 AT	00 50 A	ST .		IN	SOL /	ANGLE 9	3.0 DE	EG
SPE	CTRAL	BAND	2.37	TO 2.8	O MICR	ONS	EL	EVATION	30.0	K
VA SA	0	10	20	30	40	50	60	70 .	80	ģ
0	0.	0.	0.	0.	0.	0.	0.	0.	0.	(
10	0.	0.	0.	0.	0.	0.	0.	6.07	1.03	
20	0.	0.	0.	0.	0.	0.	0.	16.92	0.	
30	0-	0.	0.	0.	0.	0.	0.	15.80	0.	
40	0.	0.	0•	0.	0.90	0.91	0.	18.16	0.	
50	0.	0.	0•	0.	1.10	0.82	0.	7.96	0.	
60	0.	0.	0-	0.20	0.40	0.29	0.	1.20	0.	
70	0.	0.	0.	0.32	0.23	0.21	0.	0.46	0.	
80	0-	0.	0.	0.26	0.25	0.23	0.	0.44	0.	
90	0.	0.	0.	0.28	0.24	0.24	0.	2.50	0.	
100	0.	0.	0-	0.23	0.27	0.24	0.	0.27	0.	
110	0.	0.	0.	0.34	0.26	0.25	0.	0.27	0.	
120	0.	0.	0-	0.41	0.31	0.31	0.	0.42	0.	
130	0.	0.	0.	0.	0.	0.23	0.	0.	0.	
140	0.	0.	0.	0.	0.	0.	0.	0.	0.	
150	0.	0.	0-	0.	0.	0.	0.	0.	0.	
160	0.	0.	0-	0.	0.	0.	0.	0.	0.	
170	0.	0.	0.	0.	0.	0.	0.	0.	0.	
180	0.	0.	0.	0.	0.	0.	0.	0.	0.	

VIEWING ANGLE AND SCATTERING ANGLE ARE IN DEGREES.

FILTER 2 AT 0054 AST INSOL ANGLE 92.9 DEG

SPI	ECTRAI	. BAND	2.63	TO 2.8	O MICR	ONS	ELEV	ATION	30.5	KM
VA SA	o	10	20	30	40	50	60	70	80	90
R	0.	0.	0.	0.	0.	0.	90•	120.	0.	0.
0 A	0.	0.	0.	0.	0.	0.	90.	75.	0.	0.
L	0.	0.	0.	0.	0.	0.	90-	30.	0.	0.
R	0.	0.	0.	0.	0.	0.	180.	240.	0.	0.
10 A	0.	0.	0.	0.	0.	0.	158.	158.	0.	0.
L	0.	0.	0.	0.	0.	0.	135.	75.	0.	0.
R	0.	0.	0.	0.	0.	0.	120.	240.	0.	0.
20 A	0.	0.	0.	0.	0.	0.	150.	233.	0.	0.
L	0.	0.	0.	0.	0.	0.	180.	225.	0.	0.
R	0.	. 0.	0.	0.	0.	0.	194.	251.	0.	0.
30 A	0	. 0.	0.	97.	0.	0.	187.	261.	0.	0.
L	0	. 0.	0.	193.	0.	0.	180.	270.	0.	0.
R	0	. 0.	0.	0.	0.	75.	15.	220.	0.	0.
40 A	0.	. 0.	0.	127.	0.	38.	68.	237.	0.	0.
L	0	. 0.	0.	254.	0.	0.	120.	254。	0.	0.
R	0	. 0.	0.	0.	0.	120.	0.	240.	0.	0.
50 A	0	. 0.	0.	135.	0.	60.	104.	255.	0.	0.
L	0	. 0.	0.	270.	0.	0.	208.	269.	0.	0.
R	0	. 0.	0.	0.	0.	180.	0.	210.	0.	0.
60 A	0	. 0.	0.	156.	0.	90.	52。	270.	0.	0.
L	0	. 0.	0.	312.	0.	0.	104.	329.	0.	0.
RADIA	NCE V	ALUES AF	RE IN	MICROWA	ATTS PE	R SQ.	CM. PE	R STE	RADIAN	•

TABLE 79

4.5	1	FILTE	R 2	AT OC	54 AS	T		11	ISOL AN	GLE S	2.9 D	EG
		SPECT	RAL	BAND 2	.63 T	0 2.8	O MICR	ONS	ELEV	ATION	30.5	KM
	SA		0	10	20	30	40	50	60	70	.80	90
I		R	0.	0.	0.	0.	0.	75.	0 .	180.	0.	0.
I	70	A	0.	0.	0.	158.	0.	38.	83.	203.	0.	0.
L		L	0、	0.	0.	315.	0.	0.	165.	225.	0.	0.
		R	0.	0.	0.	0.	0.	179.	0.	180.	0.	0.
π	80	A	0.	0.	0.	188.	0.	90.	90.	180.	0.	0.
		L	0.	0.	0.	375.	0.	0.	180。	179.	0.	0.
		R	0.	0.	0.	0.	0.	195.	0.	195.	0.	0.
Li	90	A	0.	0.	0.	180.	0.	98.	52。	240.	0.	0.
П		L	0.	0.	0.	359.	0.	0.	104。	284.	0.	0.
		R	0.	0.	0.	0.	0.	177.	0.	179.	15.	0.
	100	A	0.	0.	0.	142.	0.	89.	59。	195.	8.	0.
П		L	0.	0.	0.	284。	0.	0.	117.	210.	0-	0.
		R	0.	0.	0.	0.	0.	195。	0.	120.	0.	0.
	110	A	0.	0.	0.	120.	0.	98.	94.	170.	0.	0.
		L	0.	0.	0.	240。	0.	0.	188.	220.	0.	0.
		R	0.	0.	0.	0.	0.	162.	0.	176.	0.	0.
	120	A	0.	0.	0.	68.	0.	81.	74。	166.	0.	0.
		L	0.	0.	0.	135.	0.	0.	147.	155.	0.	0.
	RAD	I ANCE	VAL	UES ARE	IN M	ICROWA	TTS PE	R SQ.	CM. PE	R STER	RADIAN	•

TABLE 79 CONT.

FILTER 2 AT 0054 AST INSOL ANGLE 92.9 DEG

SPECTRAL BAND 2.63 TO 2.80 MICRONS ELEVATION 30.5 KM

SA	/A	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.	207.	0.	74.	0.	0.
130	A	0.	0.	0.	0.	0.	104.	75。	37.	0.	0.
	L	0.	0.	0.	0.	0 .	0.	150.	0.	0.	0.
	R	0.	0.	0.	0.	0.	195.	0.	0.	0.	0.
140	A	0.	0.	0.	0.	0.	98.	30.	0.	0.	0.
	L	0.	0.	0.	. 0.	0.	0.	60.	0.	0.	0-
	R	0.	0.	0.	0-	0.	209.	0.	0.	0.	0.
150	A	0.	0.	0.	0.	0.	105.	0.	0.	0.	0-
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	203.	0.	0.	0.	0.
160	A	0.	0.	0.	0-	0.	102.	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0-
	R	0.	0.	0.	0.	0.	252.	0.	0.	0.	0.
170	A	0.	0.	0.	0.	0.	179.	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	105.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	90•	0.	0.	0.	0.
180	A	0.	0.	0.	0.	0.	87.	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	83.	0.	0.	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

TABLE 79 CONT.

1	FIL	TER 2	AT	IN	SOL AN	IGLE 9	2.9 D	EG			
:	SPE	CTRAL	BAND	2.63 T	0 2.8	O MI	CRONS	ELEV	ATION	30.5	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.	0.	0.29	0 - 22	0.	0.
0	A	0.	0.	0.	0.	0.	0.	0.25	0.20	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.22	0.15	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.48	0-84	0.	0.
10	A	0.	0.	0.	0.	0.	0.	0.35	0.69	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.17	0.23	0.	0.
	R	0.	0.	0.	0.	0.	0 .	0.62	4-17	0-	0.
20	A	0.	0.	0.	0.	0.	0.	0.34	2.26	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.15	0.22	0-	0.
	R	0.	0.	0.	0.	0.	0.	0.46	21.15	0.	0.
30	A	0.	0.	0.	0.23	0.	0.	0.31	10.29	0.	0.
	L	0.	0.	0.	0.23	0.	0.	0.15	0.20	0.	0.
	R	0.	0.	0.	0.	0.	0.20	0.25	4.82	0.	0.
40	A	0.	0.	0.	0.17	0.	0.20	0.20	2.35	0.	0.
	L	0.	0.	0.	0.17	0.	0.	0.20	0.21	0.	0.
	R	0.	0.	0.	0.	0.	0.19	0.	0.77	0.	0.
50	A	0.	0.	0.	0.32	0.	0.19	0.21	0.53	0.	0.
	L	0.	0.	0.	0.32	0.	0.	0.21	0.30	0.	0.
	R	0.	0.	0.	0.	0.	0.18	0.	0.25	0.	0.
60	A	0.	0.	0.	0.23	0.	0.18	0.20	0.22	0.	0.
	L	0.	0.	0.	0.23	0.	0.	0.20	0.19	0-	0-
RAD	[AN	CE VAL	UES A	RE IN M	ICROWA	TTS	PER SQ.	CM. PE	R STER	ADIAN	•

TABLE 80

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

1	FILT	TER 2	AT OC	INS	OL ANG	SLE 92	.9 DE	;			
:	SPEC	TRAL E	SAND 2	2.63 TO	2.80	MICRO	INS	ELEVA	TION 3	10-5 K	(M
SA	/A	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.	0.14	0.	0.26	0.	0.
70	A	0.	0.	0.	0.17	0.	0-14	0.18	0-21	0.	0.
	L	0.	0.	0.	0.17	0.	0.	0.18	0.18	0.	0.
	R	0.	0.	0.	0.	0.	0-17	0.	0.23	0.	0.
80	' A	0.	0.	0.	0.19	0.	0.17	0.21	0.23	0.	0.
	L	0.	0.	0.	0.19	0.	0.	0.21	0.22	0.	0.
	R	0.	0.	0.	0.	0.	0.17	0.	0.32	0.	0.
90	A	0.	0.	0.	0.22	0.	0-17	0.20	0.25	0.	0.
	L	0.	0.	0.	0.22	0.	0-	0.20	0.20	0.	0.
	R	0.	0.	0.	0.	0.	0.26	0.	0.16	0.18	0.
100	A	0.	0.	0.	0.17	0.	0.26	0.29	0.19	0.18	0.
	L	0.	0.	0.	0.17	0.	0.	0.29	0-21	0.	0.
	R	0.	0.	0.	0.	0.	0.22	0.0	0.24	0.	0.
110	A	0.	0.	0.	0.16	0.	0-22	0.27	0.23	0.	0.
	L	0.	0.	0.	0.16	0.	0 .	0.27	0.23	0。	0.
	R	0.	0.	0.	0.	0.	0.22	0.	0.29	0.	0.
120	A	0.	0.	0.	0.18	0.	0.22	0.22	0.32	0.	0.
	L	0.	0.	0.	0.18	0.	0.	0.22	0.34	0.	0.

TABLE 80 CONT.

•	SPE	CIRAL	BAND	2.63	10 2.	80 MIC	RONS	ELEV	ATION	30.5	•
SA	VA	o	10	20	30	40	50	60	70	80	
	R	0.	0.	0.	0.	0.	0.21	0.	0.23	0.	
130	A	0.	0.	0.	0.	0.	0.21	0.15	0.23	0.	
	L	0.	0.	0.	0.	0.	0.	0.15	0.	0.	
	R	0.	0.	0.	0.	0.	0.17	0.	0.	0.	
140	A	0.	0.	0.	0.	0.	0.17	0.18	0.	0.	
	L	0.	0.	0.	0.	0.	0.	0.18	0.	0.	
	R	0.	0.	0.	0.	0.	0.25	0.	0.	0.	
150	A	0.	0.	0.	0.	0.	0.25	0.	0.	0-	
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	
	R	0.	0.	0.	0.	0.	0.29	0.	0.	0.	
160	A	0.	0.	0.	0.	0.	0.29	0.	0.	0.	
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	
	R	0.	0.	0.	0.	0.	0.18	0.	0.	0.	
170	A	0.	0.	0.	0.	0.	0.27	0.	0.	0.	
	L	0.	0.	0.	0.	0-	0.50	0.	0.	0.	
	R	0.	0.	0.	0.	0.	0.22	0.	0.	0.	
180	A	0.	0.	0.	0.	0.	0.30	0.	0.	0.	
	L	0.	0.	0.	0.	0.	0.38	0.	0.	0.	

TABLE 80 CONT.

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

FILTER 2 AT 0054 AST INSOL ANGLE 92.9 DEG										EG	
	SPE	CTRAL	BAND	2.63	TO 2.8	O MI	CRONS	ELEV	ATION	30.5	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.	0.	0.18	0.16	0.	0.
C) A	0.	0.	0.	0.	0.	0.	0-24	0-21	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.15	0.13	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.23	0.45	0.	0.
10) A	0.	0.	0.	0.	e.	0.	0.27	0.49	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.15	0.17	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.20	2.60	0.	0-
20) A	0.	0.	0.	0.	0.	0.	0.23	2.60	0.	0-
	L	0.	0.	0.	0.	0.	0 0	0.12	0.15	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.21	5.32	0-	0.
30) A	0.	0.	0.	0.16	0.	0 0	0.24	5.32	0.	0-
	L	0.	0.	0.	0.16	0.	0.0	0.11	0.15	0.	0.
	R	0.	0.	0.	0.	0.	0-14	0.16	3.03	0.	0.
4() A	0.	0.	0.	0.13	0.	0.14	0.22	3.03	0.	0.
	L	0.	0.	0.	0.13	0.	0.	0.15	0.20	0.	0.
	R	0.	0.	0.	0.	0.	0.13	0.	0.47	0.	0.
5() A	0.	0.	0.	0.18	0.	0.13	0.15	0.53	0.	0.
	L	0.	0.	0.	0.18	0.	0.	0.15	0.25	0.	0.
	R	0.	0.	0.	0.	0.	0.12	0.	0.17	0.	0.
60) A	0.	0.	0.	0.16	0.	0.12	0.15	0.22	0.	0 -
	L	0.	0.	0.	0.16	0.	0.	0.15	0.14	0.	0.

:	SPE	CTRAL	BAND	2.63	TO 2.8	O MIC	RONS	ELEV	ATION	30.5
SA	/A	0	10	20	30	40	50	60	70	80
	R	0.	0.	0.	0.	0.	0.12	0.	0.16	0.
70	A	0.	0.	0.	0.13	0.	0.12	0.14	0.21	0.
	L	0.	0.	0.	0.13	0.	0.	0.14	0.13	0.
	R	0.	0.	0.	0.	0.	0.12	0.	0.16	0.
80	A	0.	0.	0.	0.15	0.	0.12	0.14	0.23	0.
	L	0.	0.	0.	0.15	0.	0.	0.14	0.16	0.
	R	0.	0.	0.	0.	0.	0.12	0.	0.26	0.
90	A	0.	0.	0.	0.15	0.	0.12	0.15	0.30	0.
	L	0.	0.	0.	0.15	0.	0.0	0.15	0.15	0.
	R	0.	0.	0.	0.	0.	0.16	0.	0.11	0.10
100	A	0.	0.	0.	0.13	0-	0.16	0.17	0.19	0.10
	L	0.	0.	0.	0.13	0.	0.	0.17	0.15	0.
	R	0.	0.	0.	0.	0.	0.15	0.	0.16	0.
110	A	0.	0.	0.	0.12	0.	0.15	0.16	0.22	0.
	L	0.	0.	0.	0.12	0.	0.0	0.16	0.15	0.
	R	0.	0-	0.	0.	0.	0.15	0.	0.16	0.
120	A	0.	0.	0.	0.13	0.	0.15	0.15	0.23	0.
	L	0.	0.	0.	0.13	0.	0.	0.15	0.17	0.

TABLE 81 CONT.

	FILTER 2 AT 0054 AST							INSOL ANGLE 92.9 DEG				
	SPE	CTRAL	BAND	2.63	TO 2	2.80 MIC	RONS	ELEV	ATION	30.5	KM	
SA	VA	0	10	20	30	40	50	60	70	80	90	
34	R	0.	0.	•	0.	•	0.15	•				
				0.		0.	0.15	0.	0.15	0.	0.	
130	Α	0.	0.	0.	0.	0.	0.15	0.12	0.15	0.	0.	
	L	0.	0.	0.	0.	0.	0.	0.12	0.	0.	0.	
	R	0.	0.	0.	0.	0.	0.12	0.	0.	0.	0.	
140	A	0.	0.	0.	0.	0.	0.12	0.14	0.	0.	0.	
	L	0.	0.	0.	0.	0.	0.	0.14	0.	0.	0.	
	R	0.	0.	0.	0.	0.	0.17	0.	0.	0.	0.	
150	A	0.	0.	0.	0.	0.	0-17	0.	0.	0.	0.	
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
	R	0.	0.	0.	0.	0.	0.15	0.	0.	0.	0.	
160	A	0.	0.	0.	0.	0.	0.15	0.	0.	0.	0.	
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
	R	0.	0.	0.	0.	0.	0.13	0.	0.	0.	0.0	
170	A	0.	0.	0.	0.	0.	0.19	0.	0.	0.	0.	
	L	0.	0.	0.	0.	0.	0.13	0.	0.	0.	0.	
	R	0.	0.	0.	0.	0.	0.15	0.	0.	0.	0.	
180	A	0.	0.	0.	0.	0.	0.22	0.	0.	0.	0.	
	L	0.	0.	0.	0.	0.	0.16	0.	0.	0.	0.	

TABLE 81 CONT.

_	FILTE	R 2	AT 00	54 AS	T		IN	SOL AN	GLE 9	2.9 D	EG
	SPECT	RAL	BAND 2	.63 T	0 2.8	O MICR	ONS	ELEV	ATION	30.5	KM
	VA SA	0	10	20	30	40	50	60	70	80	90
E	0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
F	10	0.	0.	0.	0.	0.	0.	0.	210.	0.	0.
I	20	0.	0.	0.	0.	0.	0.	0.	600.	0.	0.
I	30	0.	0.	0.	0.	0.	0.	690。	596.	0.	0.
	40	0.	0.	0.	0.	0.	0.	494。	429.	0.	0.
П	50	0.	0.	0.	0.	0.	60.	224.	599.	0.	0.
U	60	0.	0.	0.	223.	0.	195.	178.	524.	0.	0.
	70	0.	0.	0.	641.	0.	195.	195.	420.	0.	0.
	80	0.	0.	0.	840.	0.	179.	180.	374。	0-	0.
1.	90	0.	0.	0.	673.	0.	252.	149。	524.	0.	0.
	100	0.	0.	0.	360.	0。	255.	174.	374。	15.	0.
1 i	110	0.	0.	0.	0.	0.	267。	174.	365.	0.	0.
	120	0.	0.	0.	0.	0.	327.	209。	290.	0.	0.
	130	0.	0.	0.	0.	0.	577。	60。	45 <i>。</i>	0.	0.
U	140	0.	0.	0.	0.	0.	395。	0.	0.	0.	0.
	150	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
n	160	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	170	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	180	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
Œ	RADIANCE	VAL	UES ARE	IN M	ICROWA	TTS PE	R SQ.	CM. PE	R STER	ADIAN	•

TABLE 82

FI	FILTER 2 AT 0054 AST INSOL ANGLE 92.9 DEG										
SP	ECTRAL	BAND	2.63	ro 2.8	O MIC	RONS	ELEV	ATION	30-5	KM	
VA SA	0	10	20	30	40	50	60	70	80	90	
0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
10	0.	0.	0.	0.	0.	0.	0.	0.26	0.	0.	
20	0.	0.	0.	0.	0.	0.	0.	127	0.	0-	
30	0.	0.	0.	0.	0.	0.	0.32	9.50	0.	0.	
40	0.	0.	0.	0.	0.	0.	0.31	2.84	0.	0-	
50	0.	0.	0.	0.	0.	0.19	0.21	0.58	0.	0-	
60	0.	0.	0-	0.22	0.	0.19	0.20	0.22	0.	0.	
70	0.	0.	0.	0.26	0.	0.16	0.19	0.21	0.	0-	
80	0.	0.	0.	0.19	0.	0.17	0.21	0.23	0.	0.	
90	0.	0.	0.	0.20	0.	0.20	0.23	0.24	0.	0.	
100	0.	0.	0.	0.17	0.	0.23	0.28	0.19	0.18	0-	
110	0.	0.	0.	0.	0.	0.22	0.25	0.24	0.	0.	
120	0.	0.	0.	0.	0.	0.19	0.16	0.32	0.	0.	
130	0.	0.	0.	0.	0.	0.27	0.18	0.21	0.	0.	
140	0.	0.	0.	0.	0.	0.28	0.	0.	0.	0-	
150	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
160	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
170	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
180	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.
VIEWING ANGLE AND SCATTERING ANGLE ARE IN DEGREES.

_	FIL	.TER	2 AT	00 54 A	ST		INSOL ANGLE 92.9 DEG					
A	SPE	CTRAL	BAND	2.63	TO 2.8	O MI	CRONS	ELEV	ATION	30-5	KM	
l	VA SA	0	10	20	30	40	50	60	70	80	90	
I	0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
I	10	0.	0.	0.	0.	0.	0.	0.	0-20	0.	0.	
•	20	0.	0.	0.	0.	0.	0.	0.	• 1.26	0.	0-	
I	30	0.	0.	0.	0.	0.	0.	0.25	10.65	0.	0.	
n	40	0.	0.	0.	0.	0.	0.	0.24	3.64	0.	0-	
	50	0.	0.	0.	0.	0.	0.13	0.15	0.53	0.	0.	
	60	0.	0.	0.	0.16	0.	0.13	0.15	0.15	0.	0.	
11	70	0.	0.	0.	0.18	0.	0.12	0.14	0.15	0.	0-	
	80	0.	0.	0.	0.14	0.	0.12	0.14	0-16	0.	0.	
	90	0.	0.	0.	0.14	0.	0.15	0.16	0-21	0.	0.	
	100	0.	0.	0.	0.13	0.	0.15	0.17	0.14	0.10	0-	
1 i	110	0.	0.	0.	0.	0.	0.14	0.16	0.16	0.	0-	
	120	0.	0.	0.	0.	0.	0.14	0.13	0-16	0.	0.	
	130	0.	0.	0.	0.	0.	0.17	0.14	0.16	0.	0.	
	140	0.	0.	0.	0.	0.	0.19	0.	0.	0.	0.	
	150	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
O	160	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
E	170	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
I	180	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
.	RADIAN	ICE VA	LUES A	RE IN	MICROWA	TTS I	PER SQ.	CM. PE	R STER	ADIAN	•	

TABLE 84

VIEWING ANGLE AND SCATTERING ANGLE ARE IN DEGREES.

FILTER	1	AT	0100	AST		INSOL	ANGLE	92.8	DEG
SPECTRA	L B	AND	2.50	OT C	2.80 MICRONS	EI	LEVATION	30.5	KM

on desired on

SA	A	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.	45.	0.	45.	0.	0.
0	A	0.	0.	0.	0.	0.	60.	0.	83.	0.	0.
	L	0.	0.	0.	0.	0.	75.	0.	120.	0.	0.
	R	0.	0.	0.	0.	0.	165.	0.	369.	0-	0.
10	A	0.	0.	0.	0.	0.	83.	0-	275.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	180.	0-	0.
	R	0.	0.	0.	0.	0.	105.	0.	478.	0-	0.
20	A	0.	0.	0.	0.	0.	53.	0.	329.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	180.	0.	0.
	R	0.	0.	0.	0.	0.	135.	0.	478.	0.	0.
30	A	0.	0.	0.	0.	0.	68.	0.	329.	0.0	0.
	L	0.	0.	0.	0.	0.	0.	0.	180.	0.	0.
	R	0.	0.	0.	0.	0.	150°	0.	324.	0.	0.
40	A	0.	0.	0.	0.	0.	75。	0.	245.	0.	0.
	L	0.	0.	0.	0.	0 .	0 .	0.	165.	0.	0.
	R	0.	0.	0.	0.	0.	135.	0.	330.	0.	0.
50	A	0.	0.	0.	0.	0.	68.	0.	263.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	195.	0,	0.
	R	0.	0.	0.	0.	0.	135。	0.	150.	0.	0.
60	A	0.	0.	0.	0.	0.	68.	0.	165.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	180.	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

11	FILT	ER 1	AT 01	00 AS	T		IN	ISOL AN	GLE 9)2.8 D	EG
	SPEC	TRAL	BAND 2	.50 TI	0 2.80	MICR	ONS	ELEV	ATION	30.5	KM
Ø	VA SA	0	10	20	30	40	50	60	70	80	90
I	R	0.	0.	0.	0.	0.	135.	0.	270.	0.	0.
I	70 A	0.	0.	0.	0.	0.	68.	0.	188.	0.	0.
1	L	0.	0.	0.	0.	0.	0.	0.	105.	0.	0.
I	R	0.	0.	0.	0.	0.	135.	0.	210.	0.	0.
	80 A	0.	0.	0.	0.	0.	68.	0.	180.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	149.	0.	0.
	R	0.	0.	0.	0.	0.	180.	0.	300.	0.	0.
	90 A	0.	0.	0.	0.	0.	90。	0.	224.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	148.	0.	0.
()	R	0.	0.	0.	0.	0.	165.	0.	195.	0.	0.
	100 A	0.	0.	0.	0.	0.	83.	0.	203.	0.	0.
La Company	Ĺ	0.	0.	0.	0.	0.	0.	0.	210.	0.	0.
	R	0.	0.	0.	0.	0.	193.	0.	191.	0.	0.
	110 A	0.	0.	0.	0.			0.	163.	0.	0.
(î	L	0.	0.	0.	0.		0.	0.	135.	0.	0.
	R	0.	0.	0.		0.	150.	0.		0.	0.
E	120 A	0.	0.	0.	0.	0.	75.	0.		0.	0.
	L	0.	0.	0.	0.		0.	0.	177。	0.	0.
F	RADIANC	E VAL	UES ARE	IN MI	CROWAT	TS PE	R SQ.	CM. PE	R STER	ADIAN.	n

TABLE 85 CONT.

FILTER	1 AT	0100 AST		INSOL ANGLE	92.8 DI	EG
SPECTRA	L BAND	2.50 TO	2.80 MICRONS	ELEVATIO	N 30.5	KM

SA	'A	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.	163.	0.	15.	0.	0.
130	A	0.	0.	0.	29.	0.	82.	0.	22.	0.	0.
	L	0.	0.	0.	58.	0.	0.	0.	29.	0.	0.
	R	0.	0.	0.	0.	0.	193.	0.	0.	0.	0.
140	A	0.	0.	0.	491.	0.	97.	0.	0.	0.	0.
	L	0.	0.	0.	981.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	180.	0.	0.	0.	0.
150	A	0.	0.	0.	358.	0.	90.	0.	0.	0.	0.
	L	0.	0.	0.	715.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	134.	0.	0.	0.	0.
160	A	0.	0.	0.	275.	0.	67.	0.	0.	0.	0.
	L	0.	0.	0.	549.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	60.	0.	0.	0.	0.
170	A	0.	0.	0.	233.	0.	30•	0.0	0.	0.	0.
	L	0.	0.	0.	465.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
180	A	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

TABLE 85 CONT.

B		FI	LTER	1 AT	0100	AST		11	NSOL	ANGLE S	92.8 D	EG
		SP	ECTRA	L BAND	2.50	TO 2	.80 MIC			EVATION		KM
I	Si	VA	o	10	20	30	40	50	60	70	80	90
I	•	R	0.	0.	0.	0.	0.	0.48	0.	6.25	0.	0.
1	() A	0.	0.	0.	0.	0.	0.42	0.	4。26	0.	0.
8		L	0.	0.	0.	0.	0.	0.38	0.	3.52	0.	0.
I		R	0.	0.	0.	0.	0.	0.72	0.	11.48	0.	0.
•	10	A	0.	0.	0.	0.	0.	0.72	0.	8.30	0.	0.
		Ł	0-	0.	0.	0.	0.	0.	0.	1.80	0.	0.
		R	0.	0.	0.	0.	0.	1.04	0.	18.99	0.	0.
I!	20	A	0.	0.	0.	0.	0.	1.04	0.	14.15	0.	0.
		L	0.	0.	0.	0.	0.	0.	0.	1。30	0.	0.
		R	0.	0.	0.	0.	0.	1.21	0.	24.59	0.	0.
	30	A	0.	0.	0.	0.	0.	1.21	0.	18.17	0.	0.
		L	0.	0.	0.	0.	0.	0.	0.	1.10	0.	0.
[[R	0.	0.	0.	0.	0.	1.11	0 °	18.02	0.	0.
	40	A	0.	0.	0.	0.	0.	1.11	0.	12。25	0.	0.
_		L	0.	0.	0.	0.	0.	0.	0.	0.93	0.	0.
		R	0.	0.	0.	0.	0.	0.76	0.	5.45	0.	0.
E .	50	A	0.	0.	0.	0.	0.	0.76	0.	3.89	0.	0.
		L	0.	0.	0.	0.	0.	0.	0.	1.25	0.	0.
E		R	0.	0.	0.	0.	0.	0.52	0.	1.50	0.	0.
	60	A	0.	0.	0.	0.	0.	0.52	0 0	0.76	0.	0.
		L		0.	0.	0.	0.	0.	0.	0.16	0.	0.
•	RAD	[AN	CE VAI	LUES AR	E IN	HICROW	ATTS PE	R SQ.	CM. P	ER STER	ADIAN.	
I			VIEW	ING ANG	LE ANI	SUN A	AZIMUTH	ARE I	N DEG	REES.		

TABLE 86

	FIL	TER	1 AT	0100	ST		IN	SOL /	NGLE 9	2.8 D	EG
	SPE	CTRAL	BAND	2.50	TO 2.	80 MIC	RONS	ELE	VATION	30.5	KM
	VA	0	10	20	30	40	50	60	70	80	90
SA		•	0	•	•	•	0.47	^	1 26	0	^
	R	0.	0.	0.	0.	0.	0.47	0.	1.26	0.	0.
70	A	0.	0.	0.	0.	0.	0.47	0.	0.96	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.20	0.	0.
	R	0.	0.	0.	0.	0.	0.49	0.	1.03	0.	0.
80	A	0.	0.	0.	0.	0.	0.49	0.	0.69	0-	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.21	0.	0.
	R	0.	0.	0.	0.	0.	0.62	0.	1.24	0.	0.
90	A	0.	0.	0.	0.	0.	0.62	0.	0.90	3.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.21	0.	0.
	R	0.	0.	0.	0.	0.	0.25	0.	0.17	0.	0.
100	A	0.	0.	0.	0.	0.	0.25	0.	0.19	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.21	0.	0.
	R	0.	0.	0.	0.	0.	0.18	0.	0.24	0.	0.
110	A	0.	0.	0.	0.	0.	0.18	0.	0.22	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.20	0.	0.
	R	0.	0.	0.	0.	0.	0.15	0.	0.18	0.	0.
120	A	0.	0.	0.	0.	0.	0.15	0.	0.21	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.24	0.	0.

TABLE 86 CONT.

FI	LTER	1 AT	0100 A	ST		TA	isni <i>i</i>	NGLE 9	12.8 N	EC.
		. BAND		TO 2.8	O MIC			VATION		KM
VA SA	0	10	20	30	40	50	60	70	80	9
R	0.	0.	0.	0.	0.	0.23	0.	0.25	0.	(
130 A	0.	0.	0.	0.25	0.	0.23	0.	0.34	0.	(
L	0.	0.	0.	0-25	0-	0.	0.	0.38	0.	(
R	0.	0.	0.	0.	0.	0.29	0.	0.	0.	i
140 A	0.	0.	0.	0-24	0.	0.29	0.	0.	0.	,
L	0.	0.	0.	0.24	0.	0.	0.	0.	0.	
R	0.	0.	0.	0.	0.	0.19	0.	0.	0.	
150 A	0.	0.	0.	0.18	0.	0.19	0.	0.	0.	
L	0.	0.	0.	0.18	0.	0.	0.	0.	0.	
R	0.	0.	0.	0.	0.	0.17	0.	0.	0.	
160 A	0.	0.	0.	0.21	0.	0.17	0.	0.	0.	
L	0.	0.	0.	0-21	0.	0.	0.	0.	0.	
R	0.	0.	0.	0.	0.	0.24	0.	0.	0.	
170 A	0.	0.	0.	0.16	0.	0.24	0.	0.	0.	
L	0.	0.	0.	0.16	0.	0.0	0.	0.	0.	
R	0.	0.	0.	0.	0.	0.	0.	0.	0.	
180 A	0.	0.	0.	0.	0.	0.	0.	0.	0.	
L	0.	0.	0.	0.	0-	0.	0.	0-	0.	

TABLE 86 CONT.

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

	FIL	TER	1 AT	0100 A	ST		IN	SOL A	NGLE 9	2-8 D	EG
•	SPE	CTRAI	BAND	2.50	TO 2.	80 MIC	RONS	ELE	VATION	30.5	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.	0.21	0.	0.85	0.	0.
•	A	0.	0.	0.	0.	0.	0.28	0.	1-15	0.	0.
	L	0.	0.	0.	0.	0.	0.18	0.	0.78	0.	0.
	R	0.	0.	0.	0.	0.	0.24	0.	8.41	0.	0.
10	A	0.	0.	0.	0.	0.	0.24	0.	8.42	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.36	0.	0.
	R	0.	0.	0.	0.	0.	0-24	0.	8.64	0.	0.
20) A	0.	0.	0.	0.	0.	0.24	0.	8.65	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.24	0.	0.
	R	0.	0.	0.	0.	0.	0.22	0.	4.88	0.	0.
30) A	0.	0.	0.	0.	0.	0.22	0.	4.88	0.	0.
	L	0.	0.	0.	0.	0-	0.	0.	0.23	0.	0.
	R	0.	0.	0.	0.	0.	0.21	0.	7.15	0.	0.
40) A	0.	0.	0.	0.	0.	0.21	0.	7.19	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.69	0.	0.
	R	0.	0.	0.	0.	0.	0.22	0.	2.78	0.	0.
50	A	0.	0.	0.	0.	0.	0.22	0.	3.18	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	1.54	0.	0.
	R	0.	0.	0.	0.	0.	0.22	0.	0.42	0.	0.
60	A	0.	0.	0.	0.	0.	0.22	0.	0-44	0.	0.
	L	0.	0.	0.	0.	0-	0.	0.	0-12	0.	0.

	P 11	T C 6						4504	ANG. 5		250
I		.TER	R 1 AT	0100 a			[] CRONS		ANGLE S	92.8 30.5	
I	VA SA	() 10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.	0.20	0.	0.22	0.	0.
f	70 A	0.	0.	0.	0.	0.	0.20	0.	0.26	0.	0.
I.	L	0.	0.	0.	0.	0.	0.	0.	0.14	0.	0.
I	R	0.	0.	0-	0.	0.	0.21	0.	0.22	0.	0.
*	80 A	0.	0.	0.	0.	0.	0.21	0.	0.27	0-	0.
K	L	0.	0.	0.	0.	0.	0.	0.	0.14	0.	0.
[]	R	0.	0.	0-	0.	0.	0.22	0.	1-18	0.	0.
l'i	90 A	0.	0.	0.	0.	0.	0.22	0.	1.19	0.	0.
[]-	L	0.	0.	0.	0.	0.	0.	0.	0.14	0.	0.
	R	0.	0.	0.	0.	0.	0.19	0.	0.14	0.	0.
	100 A	0.	0.	0.	0.	0.	0.19	0.	0.20	0.	0.
FT.	Ł	0.	0.	0.	0.	0.	0.	0.	0.14	0.	0.
	R	0.	0.	0.	0.	0.	0.15	0.	0.16	0.	0.
H	110 A	0.	0.	0.	0.	0.	0.15	0.	0.21	0.	0.
ı.	L	0.	0.	0.	0.	0.	0.	0.	0.14	0.	0.
	R	0.	0.	0.	0.	0.	0.11	0.	0.13	٥.	0.
	120 A	0.	0.	0.	0.	0.	0.11	0.	0.20	0.	0.
I	L	0.	0.	0.	0.	0.	0.	0.	0.15	0.	0.
	RADIAN	ICE	VALUES	ARE IN	MICROW	ATTS	PER SQ.	CM.	PER STER	ADIA	N.

TABLE 87 CONT.

FILTER 1 AT 0100 AST INSC								SOL A	NGLE 9	2.8 D	EG
	SPE	CTRAL	BAND	2.50 T	0 2.8	O MIC	RONS	ELE	VATION	30.5	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.	0.16	0.	0.12	0.	0.
130	A	0.	0.	0.	0.17	0.	0.16	0.	0.23	0.	0.
	L	0.	0.	0.	0.17	0.	0.	0.	0.20	0.	0.
	R	0.	0.	0.	0.	0.	0.17	0.	0.	0.	0.
140) A	0.	0.	0.	0.17	0.	0.17	0.	0.	0.	0-
	L	0.	0.	0-	0.17	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.14	0.	0.	0.	0-
150	A	0.	0.	0.	0.14	0.	0.14	0.	0.	0.	0.
	L	0.	0.	0.	0.14	0.	0.	0.	0.	0-	0.
	R	0.	0.	0.	0.	0.	0.12	0.	0.	0.	0.
160) A	0.	0.	0.	0.15	0.	0.12	0.	0.	0.	0.
	Ĉ	0.	0.	0.	0.15	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.15	0.	0.	0.	0.
170) A	0.	0.	0.	0.12	0.	0.15	0.	0.	0.	0.
	L	0.	0.	0.	0.12	0-	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
180) A	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TABLE 87 CONT.

	FILTE	R 1	AT 01	00 49	: T		TM	SOL •AN	CIE C)2.8 D	e c
	SPECT			•50 1		O MICR			ATION		KM
	VA	0	10	20	30	40	50	60	70	80	90
E	SA										
	0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
I	10	0.	0.	0.	0.	0.	0.	0.	270.	0.	0.
.	20	0.	0.	0.	0.	0.	0.	0.	864.	0.	0.
I	30	0.	0.	0.	0.	0.	0.	0.	716.	0.	0.
_	40	0.	0.	0.	0.	0.	405.	0.	594.	0.	0.
K	50	0.	0.	0.	0.	0.	255.	0.	570.	0.	0.
lawar	60	0.	0.	0.	0.	0.	210.	0.	360.	0.	0.
I!	70	0-	0.	0.	0.	0.	165。	0.	390.	0.	0.
	80	0.	0.	0.	0.	0.	195.	0.	359.	0.	0.
	90	0.	0.	0.	0.	0.	240。	0.	478.	0.	0.
	100	0.	0.	0.	0.	0.	224.	0.	375。	0.	0.
17	110	0.	0.	0.	2708.	0.	254.	0.	385.	0-	0.
11	120	0.	0.	0.	60.	0.	281.	0.	325.	0.	0.
	130	0.	0.	0.	0.	0.	404。	0.	15.	0.	0.
Ľ	140	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
I	150	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
_	160	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
E	170	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ı	180	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
£	RADIANCE	VAL	UES ARE	IN P	41CROWA	TTS PE	R SQ.	CM. PE	R STER	ADIAN.	•

TABLE 88

	FIL	TER	1 AT	0100 AS	ST		IN	SOL	ANGLE S	2.8 D	EG
	SPE	CTRAL	BAND	2.50 1	ro 2.8	0 MIC	RONS	EL	EVATION	30.5	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
()	0.	0.	0.	0-	0.	0.	0.	0.	0.	0.
10)	0.	0.	0.	0.	0.	0.	0.	4.83	0.	0.
20)	0.	0.	0.	0.	0.	0.	0.	10.74	0.	0.
30)	0.	0.	0.	0.	0.	0.	0.	17.34	0.	0.
40)	0.	0.	0.	0.	0.	0.73	0.	14.99	0.	0.
50)	0.	0.	0.	0.	0.	1.17	0.	4.59	0.	0.
60)	0.	0.	0.	0.	0.	0.73	0.	0.80	0.	0.
70)	0.	0.	0.	0.	0.	0.46	0.	0.97	0.	0.
80)	0.	0.	0.	0.	0.	0.50	0.	0.65	0.	0.
90)	0.	0.	0.	0.	0.	0.53	0.	0.86	0.	0.
100)	0.	0.	0.	0.	0.	0.19	٥.	0.19	0.	0.
110)	0.	0.	0.	0.20	0.	0.16	0.	0.21	0.	0.
120)	0.	0.	0.	0.16	0.	0.27	0 0	0.22	0.	0.
130)	0.	0.	0.	0.	0.	0.20	0.	0.45	0.	0.
140)	0.	0.	0	0.	0.	0.	0.	0.	0.	0.
150	•	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
160)	0.	0.	0.	0 •	0.	0.	0.	0.	0.	0.
170)	0.	0.	0.	0。	0.	0.	0.	0.	0.	0.
180)	0.	0.	0.	0.	0.	0.	0.	0.	0°	0.

	E 11	TED	1 · AT	0100 4	c T		TAL	eni /	ANGLE 9	2.8 D	EC
I			BAND	2.50		0 MI	CRONS		EVATION		KM
Į	VA Sa	0	10	20	30	40	50	60	70	80	90
I	0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
T	10	0.	0.	0.	0•	0.	0.	0.	2.38	0.	0.
I	20	0.	0.	0.	0.	0.	0.	0.	9.95	0.	0.
I	30	0.	0.	0.	0.	0.	0.	0.	10.99	0.	0.
	40	0.	0.	0.	0•	0.	0.33	0.	11.20	0.	0.
I	50	0.	0.	0.	0.	0.	0.22	0.	3.71	0.	0-
II	60	0.	0.	0.	0.	0.	0.23	0.	0.78	0.	0.
	70	0.	0.	0.	0•	0.	0.21	0.	0.51	0.	0.
	80	0.	0.	0.	0.	0.	0.20	0,	0.44	0.	0.
	90	0.	0.	0.	0.	0.	0.26	0.	1.06	0.	0.
ľ	100	0.	0.	0.	0.	0.	0.16	0.	0.14	0.	0.
[]	110	0.	0.	0.	0.15	0.	0.12	0.	0.15	0.	0-
	120	0.	0.	0.	0.12	0.	0.17	0.	0.15	0.	0.
	130	0.	0.	0.	0.	0.	0.14	0.	0.18	0.	0.
_	140	0.	0.	0.	0.	0.	0.	0.	. 0.	0.	0.
	150	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	160	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	170	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
I	180	0.	0.	0.	0.	0.	0.	0.	0.	0.	0-
-	RADIAN	ICE V	ALUES A	RE IN	MICROWA	TTS	PER SQ.	CM.	PER STER	ADIAN	i•

TABLE 90

VIEWING ANGLE AND SCATTERING ANGLE ARE IN DEGREES.

FILTER 10 AT 0114 AST

INSOL ANGLE 92.4 DEG

	SPEC	TRAL	BAND	3.95 T	0 4.8	O MICRO	NS	ELEV	ATION	30.5	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	120.	0.	0.	135.	120.	0.	0.
C	A	0.	0.	0.	105.	0.	0.	113。	105.	0.	0.
	l.	0.	0.	0.	90.	0.	0.	90.	90.	0.	0.
	R	0.	0.	0.	210.	0.	0.	225。	179.	0.	0.
10	A	0.	0.	0.	188.	0.	0.	233.	187.	0.	0.
	L	0.	0.	0.	165.	0.	0.	240.	195.	0.	0.
	R	0.	0.	0.	150.	0.	0.	195.	135.	0.	0.
20	Α .	0.	0.	0.	158.	0.	0.	203.	165.	0.	0.
	L	0.	0.	0.	165,	0.	0 .	210.	195.	0.	0.
	R	٥.	0.	0.	195.	0.	۵ ۵	240.	180.	0.	0.
30) A	0.	0.	0.	195.	0.	0.	225。	180.	0.	0.
	L	0.	0.	0.	195.	0.	0.	210.	180.	0.	0.
	R	0.	0.	0.	150.	0.	0.	225。	180.	0.	0.
40	Α (0.	0.	0.	158.	0.	0.	113.	165.	0 6	0-
	L	0.	0.	0.	165.	0.	0.	0.0	150.	0.	0.
	R	0.	0.	0.0	225.	0.	0.	180.	180.	0.	0.
50) A	0.	0.	0.	135.	0.	0.	90.	90.	0.	0.
	L	0.	0.	0.	45.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	90.	0.	0.	225。	180.	0.	0.
60	A	0.	0.	0.	45.	0.	0.	113.	90.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
RAE	IANC	E VAI	LUES AR	E IN M	ICROWA	TTS PER	SQ.	CM. PE	R STER	RADIAN	•

TABLE 91

	611	'ED 10) AT 01	14 AC	•		T A.	ISOL AN	CI	2 4 00	:c
			BAND 3								
I	VA	0	10	20	30	40	50	60	70	80	90
E	SA										
I	R	0.	0.	0.	195.	0.	0.	195.	180.	0.	0.
I	70 A	0.	0.	0.	98.	0.	0.	98.	90.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
I	R	0.	0.	0.	165.	0.	0.	195.	165.	0.	0.
_	80 A	0.	0.	0.	83.	0.	0.	98.	83.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
г	R	0.	0.	0.	195.	0.	0.	135.	180.	0.	0.
	90 A	0-	0.	0.	98.	0.	0.	68.	90.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1!	R	0.	0.	0.	45.	0.	15.	0.	240.	0-	0.
[i	100 A	0.	0.	0.	23.	0.	8.	0.	143.	0.	0.
	L	0.	0.	0.	0.		0.	0.	45.	0.	0.
	R	0.	0.	0.	0.	0.	255.	0.	330.	0.	0.
	110 A		0.	0.	0.	0.	128.	0.	240.	0.	0.
I		0.					0.				0.
•	L	0.	0.	0.	0.			0.		0.	
I	R	0.	0.	0.	0.	0.	105.	0.		0.	0.
ı	120 A	0.	0.	0.	0.	0.	90.	0.		0-	0.
	L	0.	0.	0.	0.	0.	75.	0.	210.	0.	0.
•	RADIANO	E VAL	LUES ARE	IN P	ICROWA	TTS PE	R SQ.	CM. PE	R STER	ADIAN	•

TABLE 91 CONT.

FILTER 10 AT 0114 AST INSOL ANGLE 92.4 DEG

	SPE	CTRAL	BAND	3.95 T	0 4.8	O MICR	ONS	ELEV	ATION	30.5	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.	195.	0.	180.	0.	0.
130	A	0.	0.	0.	0.	0.	195.	0.	173.	0.	0.
	L	0.	0.	0.	0.	0.	195。	0.	165.	0.	0.
	R	0.	0.	0.	0.	0.	210.	0.	210.	0.	0.
140	A	0.	0.	0.	0.	0.	188.	0.	158.	23.	0.
	L	0.	0.	0.	0.	0.	165.	0.	105.	45.	0.
	R	0.	0.	0.	0.	0.	210.	0.	180.	0.	0.
150	A	0.	0.	0.	0.	0.	203.	0.	188.	0.	0.
	L	0.	0.	0.	0.	0.	195.	0.	195.	0.	0.
	R	9.	0.	0.	0.	0.	210.	0.	225.	0.	0.
160	A	0.	0.	0.	0.	0.	203.	0.	225。	0.	0.
	Ł	0.	0.	0.	0.	0.	195.	0.	225.	0.	0.
	R	0.	0.	0.	0.	0.	209.	0.	180.	0.	0.
170	A	0.	0.	0.	0.	0.	202.	0.	180.	0.	0.
	L	0.	0.	0.	0.	0.	195.	0.	180.	0.	0.
	R	0.	0.	0.	0.	0.	60.	0.	90.	0.	0.
180	A	0.	0.	0.	0.	0.	83.	0.	98.	0.	0.
	L	0.	0.	0.	0.	0.	105.	0.	105.	0.	0.

TABLE 91 CONT.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

	E 14	TCD	10 47	0114	ACT			TAICOL AL			.50
I			10 AT AL BAND	3.95		30 M	CRONS	INSOL AI	VATION	30.5	KM
I	VA	0	10	20	30	40	50	60	70	80	90
I	SA R	0.	0.	0.	17.24	0.	0.	13.82	13.04	0.	0.
T	0 A	0.	0.	0.	15.96	0.	0.	13.70	11-16	0.	0.
I	L	0.	0.	0.	14.26	0.	0.	13.52	8.64	0.	0.
K	R	0.	0.	0.	17.87	0.	0.	13.64	31.53	0.	0.
	10 A	0.	0.	0.	16.77	0.	0.	13.31	19.20	0.	0.
	L	0.	0.	0.	15.38	0.	0.	13.00	7.87	0.	0.
	R	0.	0.	0.	16.86	0.	0.	13.60	31.00	0.	0.
11	20 A	0.	0.	0.	16.57	0.	0.	13.70	17-41	0.	0.
	L	0.	0.	0.	16.31	0.	0.	13.80	8.00	0.	0.
	R	0.	0.	0.	18.30	0.	0 .	12.47	15.59	0.	0.
	30 A	0.	0.	0.	17.11	0.	0.	13.01	11.67	0.	0.
П	L	0.	0.	0.	15.92	0.	0.	13.62	7.76	0.	0.
	R	0.	0.	0.	17.64	0.	0.	11.68	7.51	0.	0.
0	40 A	0.	0.	0.	18.36	0.	0.	11.68	8.02	0.	0.
	L	0.	0.	0.	19.02	0.	0.	0.	8.64	0.	0.
	R	0.	0.	0.	17.78	0.	0.	8.77	7.35	0.	0.
п	50 A	0.	0.	0.	19.09	0.	0.	8.77	7.35	0.	0.
	L	0.	0.	0.	25.67	0.	0.	0.	0.	0.	0.
I	R	0.	0.	0.	16.21	0.	0.	9.90	7.08	0.	0.
	60 A	0.	0.	0.	16.21	0.	0.	9.90	7.08	0.	0.
E	Ĺ	Q.	0.	0.	0.	0.	0.	0.	0.	0.	0.
_	RADIAN	ÇE V	ALUES	ARE IN	MICROWA	TTS	PER SQ	. CM. PE	ER STER	ADIAN	۱.

TABLE 92

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

ſ	FILTER 10 AT 0114 AST INSOL ANGLE 92.4 DEG											
:	SPEC	TRAL	BAND	3.95	TO 4.80	MICR	ONS	ELEV	ATION 3	30.5	KM	
	VA	0	10	20	30	40	50	60	70	80	90	
SA												
	R	0.	0.	0.	15.76	0.	0.	7.33	7.19	0.	0.	
70	A	0.	0.	0.	15.76	0.	0.	7.33	7-19	0.	0-	
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
	R	0.	0.	0.	14.80	0.	0.	7.36	7.43	0.	0.	
80	A	0.	0.	0.	14.80	0.	0.	7.36	7.43	0.	0.	
·	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
	R	0.	0.	0.	14.10	0.	0.	10.18	7.94	0.	0.	
90	A	0.	0.	0.	14.10	0.	0.	10.18	7.94	0.	0.	
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0-	
	R	0.	0.	0.	15.25	0.	6.96	0.	7.96	0.	0-	
100	A	0.	0.	0.	15.25	0.	6.96	0.	7.81	0.	0.	
	L	0.	0.	0.	0.	0.	0.	0.	7.00	0.	0.	
	R	0.	0.	0.	0.	0.	7.05	0.	7.98	0.	0.	
110	A	0.	0.	0.	0.	0.	7.05	0.	7.71	0.	0.	
	L	0.	0.	0.	0.	0.	0.	0.	7.11	0.	0.	
	R	0.	0.	0.	0.	0.	7.14	0.	7.66	0.	0.	
120	A	0.	0.	0.	0.	0.	10.47	0.	7.36	0.	0.	
	L	0.	0.	0.	0.	0.	15.12	0.	7.06	0.	0.	

TABLE 92 CONT.

Name of

F	FILTER 10 AT 0114 AST							ISOL	ANGLE 9	2.4 DI	EG
\$	SPE	CTRAL	BAND	3.95	TO 4.	80 MI	CRONS	EL	EVATION	30.5	KM
SA'	/A	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.	7.16	0.	8.08	0.	0.
130	A	0.	0.	0.	0.	0.	11.03	0.	7.62	0.	0.
	L	0.	0.	0.	0.	0.	14.90	0.	7-11	0.	0.
	R	0.	0.	0.	0.	0.	7.44	0.	8 - 48	0.	0.
40	A	0.	0.	0.	0.	0.	10.57	0.	8.14	7.28	0.
	L	0.	0.	0.	0.	0.	14.56	0.	7.47	7.28	0.
	R	0.	0.	0.	0.	0.	7.49	0.	8.22	0.	0.
50	A	0.	0.	0.	0.	0.	9.80	0.	7.96	0.	0.
	L	0.	0.	0.	0.	0.	12.29	0.	7.73	0.	0.
	R	0.	0.	0-	0.	0.	7.13	0.	8.12	0.	0.
60	A	0.	0.	0.	0.	0.	9.30	0.	8.31	0.	0.
	L	0.	0.	0.	0.	0.	11.64	0.0	8.50	0.	0.
	R	0.	0.	0.	0.	0.	7,15	0.	8.18	0 .	0.
170	A	0.	0.	0 .	0.	0.	9.66	0.	8.40	0.	0.
	L	0.	0.	0.	0.	0.	12.35	0.	8.61	0.	0.
	R	0.	0.	0.	0.	0.	7.41	0.	8.03	0.	0.
80	A	0.	0.	0.	0.	0.	7.51	0.	8.04	0.	0.
	L	0.	0.	0.	0.	0.	7.56	0.	8.04	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

TABLE 92 CONT.

1	FIL	TER 10	TA	0114	INSOL AN	GLE 9	2.4 D	EG			
	SPE	CTRAL	BAND	3.95	TO 4.8	0 MI	CRONS	ELEV	ATION	30.5	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	1.23	0.	0.	0.96	2.46	0.	0.
0	A	0.	0.	0.	1.56	0.	0.	1.34	2.64	0.	0.
	L	0.	0.	0.	0.95	0.	0.	0.93	0.95	0.	0.
	R	0.	0.	0.	0.99	0.	0.	0.87	6.07	0.	0.
10	A	0.	0.	0.	1.93	0.	0.	1.26	6.20	0.	0.
	L	0.	0.	0.	1.66	0.	0.	0.92	1.25	0.	0.
	R	0.	0.	0.	1.12	0.	0.	0.94	5.42	0.	0.
20	A	0.	0.	0.	1.97	0.	0.	1.29	5.51	0.	0.
	L	0.	0.	0.	1.62	0.	0.	0.89	1.02	0.	0.
	R	0.	0.	0.	1.84	0.	0.	1.22	5.06	0.	0.
30	A	0.	0.	0.	2.10	0.	0.	1.65	5.18	0.	0.
	Ł	0.	0.	0.	1.00	0.	0.	1.11	1.10	0.	0.
	R	0.	0.	0.	1.03	0.	0 .	1.02	1.01	0.	0.
40	A	0.	0.	0.	3.59	0.	0.	1.02	1.45	0.	0.
	L	0.	0.	0.	3.44	0.	0.	0 .	1.03	0.	0.
	R	0.	0.	0.	1.23	0.	0.	1.51	0.98	0.	0.
50	A	0.	0.	0.	1.25	0.	0 0	1-51	0.98	0.	0.
	L	0.	0.	0.	0.23	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.93	0.	0.	1.10	0.94	0.	0.
60	A	0.	0.	0.	0.93	0.	0.	1.10	0.94	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0-	0.

	F	ILI	TER 1	TA C	0114	AST		INSOL ANGLE 92.4 DEG				EG
	9	SPEC	TRAL	BAND	3.95	TO ·	4.80 M	CRONS	ELI	EVAT I ON	30.5	KM
c	۱ •	/A	0	10	20	30	40	50	60	70	80	90
3	•	R	0	0	0	,	07 0	•	0.0		•	•
-			0.	0.	0.	1.0		0.	0.9		0.	0.
	0		0.	0.	0.	1.		0.	0.9		0.	0.
		L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
		R	0.	0.	0.	0.	92 0.	0.	1.13	3 0.94	0.	0.
8	10	A	0.	0.	0.	0.	92 0.	0.	1.13	3 0.94	0.	0.
		L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
		R	0.	0.	0.	0.	85 0.	0.	1.00	0.97	0.	0.
9	0	A	0.	0.	0.	0.	85 0.	0.	1.00	0.97	0.	0.
		L	0.	0.	0.	0.	0.	0.	0.	0-	0.	0.
		R	0.	0.	0.	0.	94 0.	0.86	0.	0.95	0.	0.
10	0	A	0.	0.	0.	0.	94 0.	0.86	0.	1.34	0.	0.
		L	0.	0.	0.	0.	0.	0.	0.0	0.94	0.	0.
		R	0.	0.	0.	0.	0.	0.92	0.	0.99	0.	0.
11	0	A	0.	0.	0.	0.	0.	0.92	0.	1.44	0.	0.
		L	0.	0.	0.	0.	0.	0.	0.	1.05	0.	0.
		R	0.	0.	0.	0.	0.	0.91	0.	1.01	0.	0.
12	0	A	0.	0.	0.	0.	0.	1.37	0.	1.42	0.	0.
		L	0.	0.	0.	0.	0.	1.03	0.	1.00	0.	0.
RA	DI	ANC	E VAI	LUES A	ARE IN	MICR	OWATTS	PER SQ.	CM. I	PER STER	RADIAN	io

TABLE 93 CONT.

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

	FIL	TER 10	TA C	0114 AST				SOL A	NGLE 9	2.4 D	EG
	SPE	CTRAL	BAND	3.95	TO 4.	80 MIC	RONS	ELE	VATION	30.5	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.	0.93	0.	0.98	0.	0.
130	A	0.	0.	0.	0.	0.	1.61	0.	1.37	0.	٥.
	L	0.	0.	0.	0.	0.	1.31	0.	0.96	0.	0.
	R	0.	0.	0.	0.	0.	0.94	0.	0.94	0.	0.
140	A	0.	0.	0.	0.	0.	1.43	٥.	1.72	1.12	0.
	L	0.	0.	0.	0.	0.	1.07	0.	1.44	1.12	0.
	R	0.	0.	0.	0.	0.	0.92	0.	0.95	0.	0.
150	A	0.	0.	0.	0.	0.	2.04	0.	1.42	0.	0.
	L	0.	0.	0.	0.	0.	1.82	0.	1.06	0.	0.
	R	0.	0.	0.	0.	0.	0.95	0 .	0.93	0.	0.
160	A	0.	0.	٥,	0.	0.	1.46	٥.	1.31	0.	0.
	L	0.	0.	٥.	0.	0.	1.11	0 °	0.93	0.	0°
	R	0.	0.	0.	0.	0.	0.95	0.	0.97	0.	0.
170	Α	0.	0.	0.	0.	0.	2.71	0.	1.34	0.	0.
	L	0.	0.	0.	0.	0.	2.54	0.	0.93	0.	0.
	R	0.	0.	0.	0.	0.	0.92	0.0	0.96	0.	0.
180	A	0.	0.	0.	0.	0 .	1.32	0.	1.38	0.	0.
	L	0.	0.	0.	0.	0.	0.94	0.	0.99	0.	0.

TABLE 95 CONT。

	FILTE	. 10	AT 011	4 AC	· T		TN	SOL AN	C1	12.4 DI	= G
R	SPECT			95 1		MICR			ATION		KM
	VA () 1	o 2	: 0	30	40	50	60	70	80	90
	0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
I	10	0.	0.	0.	0.	0.	0.	0.	255.	0.	0.
	20	0.	0.	0.	0.	0.	0.	0.	584.	0.	0.
I	30	0.	0.	0.	0.	0.	0.	945.	375。	0.	0.
-	40	0.	0.	0.	0.	0.	0.	645。	375.	0.	0.
	50	0.	0.	0.	0.	0.	0.	270.	180.	0.	0.
T	60	0.	0.	0.	1365.	0.	0.	255.	195。	0.	, 0.
1,	70	0.	0.	0.	555。	0.	0.	255。	180.	0.	0.
I	80	0.	0.	0.	390。	0.	0.	195。	180.	0.	0.
-	90	0.	0.	0.	255。	0.	0.	135。	165.	0.	0.
	100	0.	0.	0.	0.	0.	180.	0.0	315。	0.	0.
-	110	0.	0.	0.	0.	0.	375。	0.	540。	0.	0.
I	120	0.	0.	0.	0.	0.	600。	0.	405°	0.	0.
	130	0.	0.	0.	0.	0.	930。	0.	390.	0.	0.
E	140	0.	0.	0.	0.	0.	509。	0.	390.	45.	0.
	150	0.	0.	0.	0.	0.	0.	0.	465。	0.	0.
	160	0.	0.	0.	0.	0.	0.	0.	720。	0.	0.
D	170	0.	0.	0.	0.	0.	0.	0.	0-	0.	0.
Î	180	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
E.	RADIANCE	VALUE	S ARE	IN P	11CROWAT	TTS PE	R SQ.	CM. PE	R STER	RADIAN	0

TABLE 94

IR MEAN RADIANCE AS A FUNCTION OF SCATTERING ANGLE

	FILTER 10 AT 0114 AST INSOL ANGLE 92.4 DEG											
	SPECTRAL	BAND	3.95	TO 4.8	IM O	CRONS	ELE	VATION	30.5	KM		
SA	VA O	10	20	30	40	50	60	70	80	90		
0	0.	0.	0.	0.	0.	0.	0.0	0.	0.	0.		
10	0.	0.	0.	0.	0.	0.	0.	11.45	0.	0.		
20	0.	0.	0.	0.	0.	0.	0.	19.75	0.	0.		
30	0.	0.	0.	0.	0.	0.	13.51	12.05	0.	0.		
40	0.	0.	0.	0.	0.	0.	13.09	8.08	0.	0.		
50	0.	0.	0.	0.	0.	0.	10.87	7.41	0.	0.		
60	0.	0.	0.	16.71	0.	0.	9.47	7.09	0.	0.		
70	0.	0.	0.	18.73	0.	0.	7.77	7.19	0.	0.		
80	0.	0.	0.	15.44	0.	0.	7.36	7.48	0.	0.		
90	0.	0.	0.	14.31	0.	0.0	10 - 18	7.93	0.0	0.		
100	0.	0.	0.	0.	0.	7.06	0.	7.81	0.	0.		
110	0.	0.	0.	0.	0.	9.81	0.	7.66	0.	0.		
120	0.	0.	0.	0.0	0.	10.77	0.	7.37	0.	0.		
130	0.	0.	0.	0.0	0.	9.57	0.	7.71	0.	0.		
140	0.	0.	0.	0.	0.	9.08	0.	8.05	7.28	0.		
150	0.	0.	0.	0.	0.	0.	0 。	8.24	0.	0.		
160	0.	0.	0.	0 0	0.	0.	0.	8.28	0.	0.		
170	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.		
180	0.	0.	0.	0.	0.	0.	0.0	0.	0.	0.		

H											
I		TER 10		0114 AS 3.95 1		O MI	IN Crons	ISOL AI	NGLE 9 /ATION	2.4 D	EG KM
I	VA SA	0	10	20	30	40	50	60	70	80	90
	0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
f	10	0.	0.	0.	0.	0.	0.	0.	3.45	0.	0.
I	20	0.	0.	0.	0.	0.	0.	0.	12.75	0.	0.
I	30	0.	0.	0.	0.	0.	0.	0.96	5,87	0.	0.
	40	0.	0.	0.	0.	0-	0.	1.29	1.19	0.	0.
	50	0.	0.	0.	0.	0.	0.	1.63	0.97	0.	0.
	60	0.	0.	0.	1.77	0.	0.	1.44	0.95	0.	0.
!!	70	0.	0.	0.	3.01	0.	0.	1.26	0.95	0.	0.
1	80	0.	0.	0.	1.09	0.	0.	1.13	0.96	0.	0.
	90	0.	0.	0.	0.97	0.	0。	1.00	0.96	0.	0.
li	100	0.	٥.	0.	0.	٥.	0.90	0 °	1.01	0.	0.
H	110	0.	0.	0.	0 °	0 9	4.09	0 °	1.08	0.	0.
<u>l</u>	120	0.	0.	0.	0.	0.	3.75	0.	1.06	0.	0.
E	130	0.	0.	0.	0.	0.	2.74	0.	1.12	0.	0.
	140	0.	0°	0.	0 0	0.	2.94	0.	1.19	1.12	0.
I	150	0.	0°	0.	0.	0.	0.	0.	0.95	0.	0.
5	160	0.	0。	0.	0.0	0.	Û۰	0.	0.99	0.	0.
	170	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
E	180		0.	0.	0.		0.	0.	0.		
_	RADIAN	CE VAL	UES AF	RE IN P	IICROWA	TTS	PER SQ.	CM. PE	R STER	ADIAN.	0

TABLE 96

VIEWING ANGLE AND SCATTERING ANGLE ARE IN DEGREES.

FILTER 9 AT 0120 AST INSOL ANGLE 92.2 DEG

SPECTRAL BAND 4.18 TO 4.97 MICRONS ELEVATION 30.5 KM

SA	/A	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	105.	0.	0.	0.	30.	0.	0.
0	A	0.	0.	0.	105.	0.	0.	0.	75.	0.	0.
	L	0.	0.	0.	105.	0.	0.	0.	120.	0.	0.
	R	0.	0.	0.	210.	0.	0.	0.	195.	0.	0.
10	A	0.	0.	0.	210.	0.	0.	0.	195.	0.	0.
	L	0.	0.	0.	210.	0.	0.	0.	195.	0.	0.
	R	0.	0.	0.	210.	0.	0.	0.	180.	0.	0.
20	A	0.	0.	0.	218.	0.	0.	0.	210.	0.	0.
	L	0.	0.	0.	225.	0.	0.	0.	240。	0 .	0.
	R	0.	0.	0.	255.	0.	0.	0.0	195。	0.	0.
30	A	0.	0.	0.	240.	0.	0.	0.0	195.	0 °	0.
	L	0.	0.	0.	225.	0.	0.	0.	195.	0.	0.
	R	0.	0.	0.	210.	0.	0.	0.	165.	0.	0.
40	A	0.	0.	0.	210.	0.	0.	0.	195.	0.	0.
	L	0.	0.	0.	210.	0.	0.	0.	225。	0.	0.
	R	0.	0.	0 °	210.	0.	0.	0.	195.	0.	0.
50	A	0.	0.	0.	173。	0.	0.	0.	203。	8.	0.
	L	0.	0.	0.	135.	0.	0.	0.	210。	15.	0.
	R	0.	0.	0.	195.	0.	0.	0.	195。	0.	0.
60	A	0.	0.	0.	180.	0.	0.	0.	98.	0.	0.
	L	0.	0.	0.	165.	0.	0.	0.	0.	0.	0.

RADIANCE VALUES ARE IN MICROMATTS PER SQ. CM. PER STERADIAN.

	FILT	FD O	AT O	120 AS	T		TN	ISOL AN	ICI E O	12 2 N	EC.
					20 AST II -18 TO 4-97 MICRONS				NSOL ANGLE 92.2 (ELEVATION 30.5		
II	VA	0	10	20	30	40	50	60	70	80	90
	SA R	0.	0.	0.	135.	0.	0.	0.	180.	0.	0.
_	70 A	0.	0.	0.	68.	0 .	0.	0.	90.	0.	0.
I	L	0.	0.	0.	0.	0.	0.	0 .	0.	0.	0.
I	R	0.	0.	0.	0.	0.	0.	0.	150.	0.	0.
T	80 A	0.	0.	0.	0.	0.	0.	0.	75.	0.	0.
L	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
I	R	0.	0-	0.	0.	0.	75.	0.	155.	0.	0.
ı	90 A	0.	0.	0.	0.	0.	38.	0.0	83.	0.	0.
I	L	0.	0.	0.	0.	0.	0.	0 。	0.	0 0	0.
	R	0.0	0.	0.	0.	0 0	210.	0 °	195。	0.	0.
İ	100 A	0.0	0.	0.	0 0	0.	105.	0.0	98.	0.0	0.
I	L	0.	0.	0.	0.	0.	0.	0 0	0.	0 %	0.
I	R	0.	0.	0.	0.	0.	150.	0 。	180.	0.	0.
	110 A	0.	0.	0.	0.	0.	75.	0.0	105 օ	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.0	30.	0.	0.
	R	0.	0.	0.	0.	0.	240.	0.	195.	0.	0.
П	120 A	0.	0.	0.	0.	0.	120.	0 .	180.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	165。	0.	0.
•	RADIANC	E VAL	UES ARE	IN M	ICROWA	TTS PE	R SQ.	CM. PE	R STER	ADIAN.	D

TABLE 97 CONT.

FILTER 9 AT 0120 AST INSOL ANGLE 92.2 DEG											
	SPE	CTRAL	BAND	4-18 T	0 4.9	7 MICR	ONS	ELEV	ATION	30.5	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.	165.	0.	210.	0.	0.
130	A	0.	0.	0.	0.	0.	143.	0.	195.	0.	0.
	L	0.	0.	0-	0.	0.	120.	0.	180.	0.	0.
	R	0.	0.	0.	0.	0.	180.	0.	180.	0.	0.
140	A	0-	0.	0.	0.	0.	203.	0.	195.	0.0	0.
	L	0.	0.	0.	0.	0.	225.	0.	209.	0.	0.
	R	0.	0.	0.	0.	0.	180.	0.	225.	0.	0.
150	A	0.	0.	0.	0.	0.	165。	0.	210.	0.	0.
	L	0.	0.	0.	0.	0.	150.	0.	195.	0.	0.
	R	0.	0.	0.	0.	0.	195。	0.	150。	0.	0.
160	A	0.	0.	0.	0.	0.	173.	0.	188.	0.	0.
	L	0.	0.	0.	0.	0.	150.	0.	225。	0.	0.
	R	0.	0.	0.	0.	0.	165。	0 °	195。	0.	0.
170	A	0.	0.	0.	0.	0.	195。	0 °	188.	0.	0.
	L	0.	0.	0.	0.	0.	225.	0.	180.	0.	0.
	R	0.	0.	0.	0.	0.	105。	0 °	60.	0.	0.
180	A	0.	0.	0.	0.	0.	98.	0 °	90.	0.	0.
	L	0.	0.	0.	0.	0.	90.	0。	120.	0.	0.

TABLE 97 CONT.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

	r 1 L	TER	9 AT	0120 /	AST		1	NSOL	ANGLE	92.2 D
,	SPE	CTRAL	BAND	4.18	TO 4.9	7 MIC	RONS	ELI	EVATION	30.5
SA	VA	0	10	20	30	40	50	60	70	80
	R	0.	0.	0.	28.43	0.	0.	0.	22.03	0.
0	A	0.	0.	0.	28.45	0.	0.	0.	22.26	0.
	L	0.	0.	0.	28.47	0.	0.	0.	22.31	0.
	R	0.	0.	0.	30.48	0.	0.	0.	22.67	0.
10	A	0.	0.	0.	30.30	0.	0.	0.	22.24	0.
	L	0.	0.	0.	30.12	0.	0.	0.	21.81	0.
	R	0.	0.	0.	31.72	0.	0.	0.	50.62	0.
20	A	0.	0.	0.	32.07	0.	0.	0.	34.27	0-
	L	0.	0.	0.	32.39	0.	0.	0.	22.01	0.
	R	0.	0.	0.	30.47	0.	0.	0.	39.45	0.
30	A	0.	0.	0.	30.48	0.	0.	0.	30.53	0.
	L	0.	0.	0.	30.51	0.	0.	0.	21.61	0.
	R	0.	0.	0.	30.75	0.	0.	0.	23.64	0.
40	A	0.	0.	0.	31.05	0.	0.	0.	22.49	0.
	L	0.	0.	0.	31.34	0.	0.	0.	21.65	0.
	R	0.	0.	0.	32.76	0.	0.	0.	24.31	0.
50	A	0.	0.	0.	31.60	0.	0.	0.	23.16	24.10
	L	0.	0.	0.	29.80	0.	0.	0.	22.08	24.10
	R	0.	0.	0.	31-54	0.	0.	0.	22.96	0.
60	A	0.	0.	0.	31.07	0.	0.	0.	22.96	0.
	L	0.	0.	0.	30.50	0.	0.	0.	0.	0.

	FII	TER	9 AT	0120	AST		IN	ISOL	ANGLE	92.2 D	EG
	SPE	CTRAL	BAND	4.18	TO 4.9	7 MI	CRONS	EL	EVATION	30.5	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	30.92	0.	0.	0.	22.91	0.	0.
70	A	0.	0.	0.	30.92	0.	0.	0.	22.91	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.	23.51	0.	0.
80	A	0.	0.	0.	0.	0.	0.	0.	23.51	0.	0.
	L	0.	0.	0-	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	22.95	0.	23.71	0.	0.
90	A	0.	0.	0.	0.	0.	22.95	0.	23.71	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	21.92	0.	23.56	0.	0.
100	A	0.	0.	0.	0.	0.	21.92	0.	23.56	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	21-46	0.	23.72	0.	0.
110	A	0.	0.	0.	0.	0.	21.46	0.	23.65	0.	0.
	L	0-	0.	0.	0.	0.	0.	0.	23.24	0.	0.
	R	0.	0.	0.	0.	0.	21.43	0.	23.22	0.	0.
120	A	0.	0.	0.	0.	0.	21.43	0.	22.89	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	22.51	0.	0.

TABLE 98 CONT.

11	FIL	TER	9 AT	0120 A	ST		IN	SOL	ANGLE 9	2.2 D	EG
	SPE	CTRAI	L BAND	4.18	TO 4.	97 MI	CRONS	EL	EVATION	30.5	KM
	VA SA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.	21.80	0.	23.81	0.	0.
ī	130 A	0.	0.	0.	0.	0.	24.47	0.	23.19	0.	0.
Ĭ	L	0.	0.	0.	0.	0.	28.14	0.	22.46	0.	0.
- Significant	R	0.	0.	0.	0.	0.	21.85	0.	24.16	0.	0.
	140 A	0.	0.	0.	0.	0.	25.20	0.	23.51	0.	0.
	Ĺ	0.	0.	0.	0.	0.	27.87	0.	22-94	0.	0.
f i	R	0.	0.	0.	0.	0.	22.24	0.	23.66	0.	0.
	150 A	0.	0.	0.	0.	0.	24.75	0.	23.71	0.	0.
	L	0.	0.	0.	0.	0.	27.76	0.	23.77	0.	0.
	R	0.	0.	0.	0.	0.	21.80	0.	24.06	0.	0.
welfalan .	160 A	0.	0.	0.	0.	0.	22.62	0.	24-24	0.	0.
I	L	0.	0.	0.	0.	0.	23.69	0.	24.36	0.	0.
L	R	0.	0.	0.	0.	0.	21.47	0.	23.81	0.	0.
	170 A	0.	0.	0.	0.	0.	24.76	0.	24.03	0.	0.
	L	0.	0.	0.	0.	0.	27.17	0.	24.27	0.	0.
e-mail: Audition C	R	0.	0.	0.	0-	0.	21.38	0.	23.79	0.	0.
11	180 A	0.	0.	0.	0.	0.	21.63	0.	23.81	0.	0.
	L	0.	0.	0.	0.	0.	21.92	0.	23.82	0.	0.
11	RADIAN	CE V	ALUES A	RE IN	MICROW	ATTS I	PER SQ.	CM.	PER STER	RADIAN	•

TABLE 98 CONT.

	FIL	TER	9 AT	0120		INSOL	ANGLE	92.2 D	EG		
	SPE	CTRAL	BAND	4.18	TO 4.9	7 MI	CRONS	EL	EVATION	30.5	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.89	0.	0.	0.	1.15	0.	0.
0	A	0.	0.	0.	1.23	0.	0.	0.	1.55	0.	0.
	L	0.	0.	0.	0.85	0.	0.	0.	1.04	0.	0.
	R	0.	0.	0.	1.23	0.	0.	0.	2.10	0.	0.
10	A	0.	0.	0.	2.00	0.	0.	0.	2.33	0.	0.
	L	0.	0.	0.	1.58	0.	0.	0.	1.03	、0•	0.
	R	0.	0.	0.	1-22	0.	0.	0.	9.90	0.	0.
20	A	0.	0.	0.	1.56	0.	0.	0.	9.95	0.	0.
	L	0.	0.	0.	0.96	0.	0.	0.	1.00	0.	0.
	R	0.	0.	0.	1.77	0.	0.	0.	10.59	0.	0.
30	A	0.	0.	0.	1.98	0.	Ŏ.	0.	10.63	0.	0.
	L	0.	0.	0.	0.88	0.	0.	0.	0.98	0.	0.
	R	0.	0.	0.	1.62	0.	0.	0.	1.39	0.	0.
40	A	0.	0.	0.	2.60	0.	0.	0.	1.70	0.	0.
	L	0.	0.	0.	2.04	0.	0.	0.	0.97	0.	0.
	R	0.	0.	0.	1-14	0.	0.	0.	0.98	0.	0.
50	A	0.	0.	0.	2.03	0.	0.	0.	1.46	1.64	0.
	L	0.	0.	0.	1-69	0.	0.	0.	1.08	1.64	0.
	R	0.	0.	0.	1-48	0.	0.	0.	1.05	0.	0.
60	A	0.	0.	0.	1.78	0.	0.	0.	1.05	0.	0.
	L	0.	0.	0-	0.98	0.	0.	0.	0.	0.	0.

FILTER 9 AT 0120 AST INSOL A										2.2 D	EG
	SPE	CTRAL	BAND	4.18 T	0 4.9	7 MIC	RONS	EL	EVATION	30-5	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	1-28	0.	0.	0.	1.05	0.	0.
70	A	0.	0.	0.	1.28	0.	0.	0.	1.05	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.	1.07	0.	0.
80	A	0.	0.	0.	0.	0.	0.	0.	1.07	0.	0.
	L	0-	0.	0.	0.	0.	0.	0.	0.	0-	0.
	R	0.	0.	0.	0.	0.	1.25	0.	1.01	0.	0.
90	A	0.	0.	0.	0.	0.	1.25	0.	1.01	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	1.22	0.	1.00	0.	0.
100	A	0.	0.	0.	0.	0.	1.22	0.	1.00	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.99	0.	1.01	0.	0.
110	A	0.	0.	0.	0.	0.	0.99	0.	1.48	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	1.08	0.	0.
	R	0.	0.	0.	0.	0.	0.99	0.	1.04	0.	0.
120	A	0.	0.	0.	0.	0.	0.99	0.	1.49	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	1.07	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

TABLE 99 CONT.

FILTER 9 AT 0120 AST									NGLE 9	2.2 D	EG
	SPE	CTRAL	BAND	4.18	ro 4.	97 MIC	RONS	ELE	VATION	30.5	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
J.		_			_	_		_			_
	R	0.	0.	0.	0.	0.	1.01	0.	1.00	0.	0.
130	A	0.	0.	0.	0.	0.	1.60	0.	1.49	0.	0.
	L	0.	0.	0.	0.	0.	1.24	0.	1.10	0.	0.
	R	0.	0.	0.	0.	0.	1.05	0.	0.98	0.	0.
140	A	0.	0.	0.	0.	0.	1.61	0.	1.48	0.	0.
	L	0.	0.	0.	0.	0.	1.23	0.	1.11	0.	0.
	R	0.	0.	0.	0.	0.	1.05	0.	1.01	0.	0.
150	A	0.	0.	0.	0.	0.	1.73	0.	1.53	0.	0.
	L	0.	0.	0.	0.	0.	1.37	0.	1.14	0.	0.
	R	0.	0.	0.	0.	0.	1.03	0.	1.04	0.	0.
160	A	0.	0.	0.	0.	0.	2.23	0.	1.40	0.	0.
	L	0.	0.	0.	0.	0.	1.98	0.	0.93	0.	0.
	R	0.	0.	0.	0.	0.	1.04	0.	1.00	0.	0.
170	A	0.	0.	0.	0.	0.	2.31	0.	1.41	0.	0.
	L	0.	0.	0.	0.	0.	2.06	0.	0.99	0.	0.
	R	0.	0.	0.	0.	0.	0.95	0.	1.03	0.	0.
180	A	0.	0.	0.	0.	0.	1.62	0.	1.44	0.	0.
	L	0.	0.	0.	0.	0.	1.32	0.	1.01	0.	0.

TABLE 99 CONT.

SPEC	TRAL	BAND	4.18	TO 4.9	7 MICE	LONS	ELEV	ATION	30.5
VA SA	0	10	20	30	40	50	60	70	80
0	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	0-	0.	0.	0.	0.	0.	0.	270.	0.
20	0.	0.	0.	0.	0.	0.	0.	540.	0.
30	0.	0.	0.	0.	0.	0.	0.	480.	0.
40	0.	0.	0.	0.	0.	0.	0.	435.	0.
50	0.	0.	0.	0.	0.	0.	0.	390.	15.
60	0.	0.	0-	1620.	0.	0.	0.	225.	0.
70	0.	0.	0.	975.	0.	0.	0.	180.	0.
80	0.	0.	0.	210.	0.	0.	0.	150.	0.
90	0.	0.	0.	0.	0.	165.	0.	180.	0.
100	0.	0.	0-	0.	0.	225.	0.	195.	0.
110	0.	0.	0.	0.	0.	300.	0.	255.	0.
120	0.	0.	0.	0.	0.	600.	0.	435.	0.
130	0.	0.	0.	0.	0.	765.	0.	375.	0.
140	0.	0.	0.	0.	0.	570.	0.	479.	0.
150	0.	0.	0.	0.	0.	0.	0.	480.	0.
160	0.	0.	0.	0.	0.	0.	0-	660.	0.
170	0.	0.	0.	0.	0.	0.	0.	0.	0.
180	0.	0.	0.	0.	0.	0.	0.	0.	0.

TABLE 100

FILTER 9 AT 0120 AST INSOL ANGLE 92.2 DEG										EG	
	SPEC	TRAL	BAND	4.18	TO 4.9	7 MI	CRONS	EL	EVATION	30.5	KM
	VA	0	10	20	30	40	50	60	70	80	90
SA	•										
()	0-	0.	0.	0.	0.	0.	0.	0.	0.	0.
10)	0.	0.	0.	0-	0.	0.	0.	21.98	0.	0.
20)	0.	0.	0.	0.	0.	0.	0.	27.60	0.	0.
30)	0.	0.	0.	0.	0.	0.	0.	33.17	0.	0.
40)	0.	0.	0.	0.	0.	0.	0.	22.90	0.	0.
50)	0.	0.	0.	0.	0.	0.	0.	23.19	24-10	0.
60)	0.	0.	0.	30.57	0.	0.	0.	22.99	0.	0.
70)	0.	0.	0.	31.37	0.	0.	0.	22.91	0.	0.
80)	0.	0.	0.	30.79	0.	0.	0.	23.51	0.	0.
90)	0.	0.	0.	0.	0.	22.3	8 0.	23.69	0.	0.
100)	0.	0.	0.	0.	0.	21.6	9 0.	23.56	0.	0.
110)	0.	0-	0.	0.	0.	21.4	6 0.	23.61	0.	0.
120)	0.	0.	0.	0.	0.	24.9	4 0.	22.90	0.	0.
130)	0.	0.	0.	0.	0-	23.7	1 0.	23.17	0.	0.
140)	0.	0.	0.	0•	0.	23.8	7 0.	23.64	0.	0.
150)	0.	0.	0.	0.	0.	0.	0.	24.06	0.	0.
160)	0.	0.	0.	0.	0.	0.	0.	24.00	0.	0.
170)	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
180)	0.	0.	0.	0.	0.	0.	0.	0.	0-	0.

TABLE 101

	FILTE	R 9	AT OI	INS	OL ANG	LE 92	-2 DE	3			
	SPECT	TRAL B	AND 4	.18 TO	4.97	MICRO)NS	ELEVA	TION 3	0.5 I	KM
S	VA A	0	10	20	30	40	50	60	70	80	90
i	0 () .	0.	0-	0.	0.	0.	0.	0.	0.	0.
1	0 () .	0.	0.	0.	0.	0.	0.	1.10	0.	0.
2	0 () .	0.	0.	0.	0.	0.	0. 1	.0.86	0.	0.
3	0 ().	0.	0.	0-	0.	0.	0. 1	4.85	0.	0.
4	0 () .	0.	0.	0.	0.	0.	0.	2-11	0.	0.
5	0 ().	0.	0.	0.	0.	0.	0.	1.54	1.64	0.
6	0 ().	0.	0.	1-68	0.	0.	0.	1.06	0.	0.
7	0 (0.	0.	1.81	0.	0.	0.	1-05	0.	0.
8	0 ().	0.	0.	1.37	0.	0.	0.	1.07	0.	0.
9	0 ().	0.	0.	0.	0.	1.32	0.	1.02	0.	0.
10	0 () .	0.	0.	0.	0.	1.16	0.	1.01	0.	0.
11	0 (0.	0.	0.	0.	0.99	0.	1.03	0.	0.
12	0 () .	0.	0.	0.	0.	3.34	0.	1-14	0.	0.
13	0 (0.	0.	0.	0.	2.73	0.	1-30	0.	0.
14	0 (0.	0.	0.	0.	3.13	0.	1.08	0.	0.
15	0 ().	0.	0.	0.	0.	0.	0.	1-05	0.	0.
16	0 () .	0.	0.	0.	0.	0.	0.	1-02	0.	0.
17	0 ().	0.	0.	0.	0.	0.	0.	0.	0.	0.
18	0 ().	0.	0.	0.	0.	0.	0.	0.	0.	0.
RA	DIANCE	VALU	ES ARE	IN MI	CROWAT	TS PER	sq. c	M. PER	STERA	DIAN.	

TABLE 102

VIEWING ANGLE AND SCATTERING ANGLE ARE IN DEGREES.

FILTER 7 AT 0124 AST INSOL ANGLE 92.0 DEG

	SPE	CTRAL	BAND	2.54 T	0 2.8	9 MICE	RONS	ELEV	ATION	30.5	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	15.	105.	0.	105.	0.	0.
C	A	0.	0.	0.	0.	38.	98.	0.	105.	0.	0.
	L	0.	0.	0.	0.	60.	90.	0.	105.	0.	0.
	R	0.	0.	0.	0.	165.	30.	0.	276.	0.	0.
10	A	0.	0.	0.	0.	90.	98.	0.	251.	0.	0.
	L	0.	0.	0.	0.	15.	165.	0.	225.	0.	0.
	R	0.	0.	0.	0.	60.	150.	0.	133.	0.	0.
20	A	0.	0.	0.	0.	83.	143.	0.	179.	0.	0.
	L	0.	0.	0.	0.	105.	135.	0.	225.	0.	0.
	R	0.	0.	0.	0.	150.	60.	0.	150.	0.	0.
30	A	0.	0.	0.	0.	143.	45.	0.	195.	0.	0.
	L	0.	0.	0.	0.	135.	30.	0.	240.	0.	0.
	R	0.	0.	0.	0.	135.	30.	0.	195.	0.	0.
40) A	0.	0.	0.	0.	135.	90.	0.	240.	0.	0.
	L	0.	0.	0.	0.	134.	150.	0.	285.	0.	0.
	R	0.	0.	0.	60.	15.	15.	0.	135.	0.	0.
50	A	0.	0.	0.	30.	52.	45.	0.	179.	0.	0.
	L	0.	0.	0.	0.	89.	74.	0.	223.	0.	0.
	R	0.	0.	0.	180.	0.	0.	44.	0.	0.	0.
60	A	0.	0.	0.	90.	37.	60.	22.	118.	0.	0.
	L	0.	0.	0.	0.	74.	119.	0.	236.	0.	0.

TABLE 103

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

П	E 11 TC	o 7	' AT 01	24 AC	т		**	Nedi an	CIE 6		
			BAND 2								
	VA SA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	225.	0.	0.	210.	105.	0.	0.
	70 A	0.	0.	0.	113.	45.	67.	105.	163.	0.	0.
	Ĺ	0.	0.	0.	0.	90.	133.	0.	221.	0.	0.
	R	0.	0.	0.	180.	0.	0.	165.	60.	45.	0.
	80 A	0.	0.	0.	90.	38.	83.	83.	66.	23.	0.
and an area	L	0.	0.	0.	0.	75.	165.	0.	71.	0.	0.
17	R	0.	0.	0.	180.	0.	0.	210.	75.	0.	0.
	90 A	0.	0.	0.	90.	0.	15.	105.	38.	0.	0.
	L	0.	0.	0.	0.	0.	30.	0.	0.	0.	0.
	R	0-	0.	0.	195.	0.	0.	224.	0.	0.	0.
~ ~	100 A	0.	0.	0.	98.	0.	0.	112.	0.	0.	0.
F	L	0-	0.	0.	0.	0.	0.	0.	0.	0.	0.
Ē	R	0-	0.	0.	180.	0.	0.	207.	0.	0.	0.
I	110 A	0.	0.	0.	90.	0.	0.	104.	0.	0.	0.
_	L	0-	0.		0.	0.		• 0 •	0.	0.	0.
I	R	0-			-	0.		119.	0.	0.	0.
F	120 A	0.	0.					60.	0.	0.	0.
ı	L	0.	0.					0.		0.	0.
•	RADIANCE	VAL	UES ARE	IN M	ICROWA	TTS PE	R SQ.	CM. PE	R STER	ADIAN.	,

TABLE 103 CONT.

FIL	TER 7	IGLE 9	2.0 D	EG						
SPE	CTRAL	BAND	2.54 1	0 2.8	9 MICR	ONS	ELEV	ATION	30.5	KM
VA Sa	0	10	20	30	40	50	60	70	80	90
R	0.	0.	0.	194.	0.	0.	194.	0.	0.	0.
130 A	0.	0.		97.	0.		97.	0.	0.	0.
L L	0.	0.		0.	0.		0.		0.	
_										
R	0.	0.	0.	181.	0.	0.	224.	0.	0.	0.
140 A	0.	0.	0.	91.	0.	0.	112.	8.	0.	0.
L	0.	0.	0.	0.	0.	0.	0.	15.	0.	0.
R	0.	0.	0.	145.	0.	0.	208.	0.	0.	0.
150 A	0.	0-	0.	73.	0.	0.	104.	82.	0.	0.
L	0.	0.	0.	0.	0.	0.	0.	164.	0.	0.
R	0.	0.	0.	179.	0.	0.	177.	178.	0.	0.
160 A	0.	0.	0.	90.	0.	0.	103.	170.	0.	0.
L	0.	0.	0.	0.	0.	0.	29.	161.	0.	0.
R	0.	0.	0.	175.	0.	0.	164.	177.	0.	0.
170 A	0.	0.	0.	110.	0.	0.	178.	186.	0.	0.
L	0.	0.	0.	45.	0.	0.	191.	195.	0.	0.
R	0.	0-	0.	92.	0.	0.	120.	60.	0.	0.
180 A	0.	0.	0.	53.	0.	0.	105.	75.	0.	0.
L	0.	0.	0.	14.	0.	0.	89.	90.	0.	0.

TABLE 103 CONT.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

	FIL	TFR	7 AT	0124 A	51		TN	ISOL A	NEIF C	92.0 D	IFG
			L BAND	2.54		9 MICR			VATION		KM
•	VA SA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.28	0.23	0.	2.03	0.	0.
	0 A	0.	0.	0.	0.	0.22	0.23	0.	1.50	0.	0.
	L	0.	0.	0.	0.	0.20	0.23	0.	0.97	0.	0.
	R	0.	0.	0.	0.	0.25	0.26	0.	10.36	0.	0.
	10 A	0.	0.	0.	0.	0.25	0.19	0.	5.98	0.	0.
	L	0.	0.	0.	0.	0.23	0.17	0.	0.59	0.	0.
	R	0.	0.	0.	0.	0.31	0.28	0.	23.46	0.	0.
	20 A	0.	0.	0.	0.	0.21	0.24	0.	9.02	0.	0.
	L	0.	0.	0.	0.	0.15	0.19	0.	0.48	0.	0.
	R	0.	0.	0.	0.	0.31	0.35	0.	8.42	0.	0.
	30 A	0.	0.	0.	0.	0.26	0.31	0.	3.54	0.	0.
	L	0.	0.	0.	0.	0.22	0.22	0.	0.48	0.	0.
	R	0.	0.	0.	0.	0.31	0.38	0.	2.25	0.	0.
	40 A	0.	0.	0.	0.	0.26	0.22	0.	1.16	0.	0.
	Ł	0.	0.	0.	0.	0.21	0.18	0.	0.42	0.	0.
	R	0.	0.	0.	0.16	0.37	0.30	0.	0.76	0.	0.
	50 A	0.	0.	0.	0.16	0.21	0.21	0.	0.42	0.	0.
	L	0.	0.	0.	0.	0.18	0.19	0.	0.22	0.	0.
	R	0.	0.	0.	0.15	0.	0.	0.21	0.	0.	0.
	60 A	0.	0.	0.	0.15	0.23	0.20	0.21	0.23	0.	0.
	L	0.	0.	0.	0.	0.23	0.20	0.	0.23	0.	0.
	RADIAN	CE V	ALUES A	RE IN	MICROWA	TTS PE	R SQ.	CM. P	ER STER	RADIAN	l•

1	FIL'	TER 7	AT O	124 AS1	F		IN:	SOL AN	SLE 92	2.0 DE	G
:	SPE	CTRAL	BAND	2.54 TI	2.89	9 MICR	ONS	ELEV	ATION :	30.5	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.17	0.	0.	0.23	0.29	0.	0.
70	A	0.	0.	0.	0.17	0.21	0.21	0.23	0.24	0.	0.
	L	0.	0.	0.	0.	0.21	0.21	0.	0.21	0.	0.
	R	0.	0.	0.	0.15	0.	0.	0.27	0.44	0.33	0.
80	A	0.	0.	0.	0.15	0.17	0.18	0.27	0.37	0.33	0.
	L	0.	0.	0.	0.	0.17	0.18	0.	0.32	0.	0.
	R	0.	0.	0.	0.17	0.	0.	0.33	0.52	0.	0.
90	A	0.	0.	0.	0.17	0.	0.18	0.33	0.52	0.	0.
	L	0.	0.	0.	0.	0.	0.18	0.	0.	0.	0.
	R	0.	0.	0.	0.18	0.	0.	0.20	0.	0.	0.
100	A	0.	0.	0.	0.18	0.	0.	0.20	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.18	0.	Ö.	0.24	0.	0.	0.
110	A	0.	0.	0.	0.18	0.	0.	0.24	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.19	0.	0.	0.20	0.	0.	0.
120	A	0.	0.	0.	0.19	0.	0.	0.20	0.	0.	0.
	L	0.	0.	0.	0.	0-	0.	0.	0.	0.	0.

TABLE 104 CONT.

1	FIL	TER	7 AT	0124 A	ST		I	NSOL AN	GLE 9	2.0 D	EG
;	SPE	CTRAL	BAND	2.54	TO 2.8	9 MIC	RONS	ELEV	ATION	30.5	K
SA	VA	0	10	20	30	40	50	60	70	80	,
	R	0.	0.	0.	0.18	0.	. 0.	0.21	0.	0.	
130	A	0.	0.	0.	0.18	0.	0.	0.21	0.	0.	
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	
	R	0.	0.	0.	0.31	0.	0.	0.18	0.	0.	
140	A	0.	0.	0.	0.31	0.	0.	0.18	0.24	0.	
	L	0.	0.	0.	0.	0.	0.	0.	0.24	0.	
	R	0.	0.	0.	0.41	0.	0.	0.19	0.	0.	
150	A	0.	0.	0.	0.41	0.	0.	0.19	0.25	0.	
	L	0.	0.	0.	0.	0.	0.	0.	0.25	0.	
	R	0.	0.	0-	0.19	0.	0.	0-23	0.19	0.	
160	A	0.	0.	0.	0.19	0.	0.	0.24	0.22	0.	
	L	0.	0.	0.	0.	0.	0.	0.31	0.24	0.	
	R	0.	0.	0.	0.25	0.	0.	0.22	0.22	0.	
170	A	0.	0.	0.	0.29	0.	0.	0.24	0.22	0.	
	L	0.	0.	0.	0.47	0.	0.	0.25	0.21	0.	
	R	0.	0.	0.	0.40	0.	0.	0.18	0.23	0.	
180	A	0.	0.	0.	0.42	0.	0.	0.19	0.21	0.	
	L	0.	0.	0.	0.54	0.	0.	0.20	0.20	0.	

TABLE 104 CONT.

FI	LTE	R 7	AT	0124 A	ST		IN	SOL AN	GLE 9	2.0 D	EG
SP	ECT	RAL	BAND	2.54	TO 2.8	9 MICR	ONS	ELEV	ATION	30.5	KM
VA SA		0	10	20	30	40	50	60	70	80	90
R	٠ ٥	•	0.	0.	0.	0.16	0.18	0.	0.64	0.	0.
0 A	۰ ٥	•	0.	0.	0.	0.23	0.25	0.	0.70	0.	0.
Ĺ	. 0	•	0.	0.	0.	0.16	0.17	0.	0.27	0.	0.
R	1 0	•	0.	0.	0.	0.17	0.19	0.	7.96	0.	0.
10 A	۰ ٥	•	0.	0.	0.	0.21	0.22	0.	7.96	0.	0.
ı	. 0	•	0.	0.	0.	0.13	0.12	0.	0.21	0.	0.
R	0	•	0.	0.	0.	0.20	0.18	0.	4.21	0.	0.
20 4	۰ ٥	•	0.	0.	0.	0.23	0.22	0.	4.22	0.	0.
Ĺ	. 0	•	0.	0.	0.	0.12	0.13	0.	0.22	0.	0.
P	۰ ٥	•	0.	0.	0.	0.17	0.19	0.	4.22	0.	0.
30 A	۰ 0	•	0.	0.	0.	0.24	0.24	0.	4.23	0.	0.
t	. 0	•	0.	0.	0.	0.17	0.15	0.	0.22	0.	0.
P	₹ 0	•	0.	0.	0.	0.19	0.17	0.	1.09	0.	0.
40 #	A 0	•	0.	0.	0.	0.25	0.22	0.	1.14	0.	0.
ı	. 0	•	0.	0.	0.	0.16	0.14	0.	0.32	0.	0.
P	₹ 0	•	0.	0.	0.12	0.23	0.20	0.	0.31	0.	0.
50 A	A 0	•	0.	0.	0.12	0.26	0.25	0.	0.34	0.	0.
ı	. 0	•	0.	0.	0.	0.13	0.14	0.	0.15	0.	0.
F	٠ ٥	•	0.	0.	0.12	0.	0.	0.21	0.	0.	0.
60 A	A 0	•	0.	0.	0.12	0.14	0.15	0.21	0.15	0.	0.
t	L 0	•	0.	0.	0.	0.14	0.15	0.	0.15	0.	0.
RADIA	ANCE	VAL	.UES /	ARE IN	MICROWA	TTS PE	R SQ.	CM. PE	R STER	AD I AN	•

(FIL	TER 7	AT O	124 AS	T		IN:	SOL AN	GLE 9	2.0 DE	G
:	SPE	CTRAL	BAND 2	2.54 T	0 2.89	9 MICR	DNS	ELEV	ATION :	30.5	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.13	0.	0.	0.16	0.17	0.	0.
70	A	0.	0.	0.	0.13	0.15	0.16	0.16	0.22	0.	0.
	L	0.	0.	0.	0.	0.15	0.16	0.	0.15	0.	0.
	R	0.	0.	0.	0.13	0.	0.	0.18	0.24	0.20	0.
. 80	A	0.	0.	0.	0.13	0.15	0.14	0.18	0.29	0.20	0.
	L	0.	0.	0.	0.	0.15	0.14	0.	0.17	0.	0.
	R	0.	0.	0.	0.12	0.	0.	0.19	0.22	0.	0.
90	A	0.	0.	0.	0.12	0.	0.14	0.19	0.22	0.	0.
	L	0.	0.	0.	0.	0.	0.14	0.	0.	0.	0.
	R	0.	0.	0.	0.13	0.	0.	0.15	0.	0.	0.
100	A	0.	0.	0.	0.13	0.	0.	0.15	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.13	0.	0.	0.16	0.	0.	0.
110	A	0.	0.	0.	0.13	0.	0.	0.16	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.14	0.	0.	0.16	0.	0.	0.
120	A	0.	0.	0.	0.14	0.	0.	0.16	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
RADI	I AN	E VAL	UES ARE	IN M	I CROWAT	TTS PE	R SQ. (CM. PEI	R STER	ADIAN.	

To Laboratory

TABLE 105 CONT.

	FIL	TER	7 AT	0124 AS	S T			INSOL AN	GLE 9	2.0 D	EG
	SPE	CTRAL	BAND	2.54 1	ro 2.8	9 MIC	RONS	ELEV	ATION	30.5	KM
Si	VA A	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.14	0.	0.	0.14	0.	0.	0.
130) A	0.	0.	0.	0.14	0.	0.	0.14	0.	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.19	0.	0.	0.15	0.	0.	0.
146) A	0.	0.	0.	0.19	0.	0.	0.15	0.16	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.16	0.	0.
	R	0.	0.	0.	0.16	0.	0.	0.14	0.	0.	0.
150) A	0.	0.	0.	0.16	0.	0.	0.14	0.16	0.	0.
	Ł	0.	0.	0.	0.	0.	0.	0.	0.16	0.	0.
	R	0.	0.	0.	0.14	0.	0.	0.15	0.14	0.	0.
160) A	0.	0.	0.	0.14	0.	0.	0.21	0.22	0.	0.
	L	0.	0.	0.	0.	0.	0.	0-14	0.17	0.	0.
	R	0.	0.	0.	0.17	0.	0.	0.15	0.16	0.	0.
176) A	0.	0.	0.	0.23	0.	0.	0.22	0.22	0.	0.
	L	0.	0.	0.	0.16	0.	0.	0.16	0.15	0.	0.
	R	0.	0.	0.	0.17	0.	0.	0.12	0.17	0.	0.
180	A	0.	0.	0.	0.19	0.	0.	0.18	0.21	0.	0.
	L	0.	0.	0.	0.09	0.	0.	0.13	0.14	0.	0.

TABLE 105 CONT.

FILTER 7 AT 0124 AST INSOL ANGLE 92.0 DEG

} :

SPECTRAL BAND 2.54 TO 2.89 MICRONS ELEVATION 30.5 KM VA 0 10 20 30 40 50 60 70 90 80 SA -0 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 10 0. 0. 0. 0. 0. 0. 0. 345. 0. 0. - Laboratory 20 0. 0. 0. 0. 0. 0. 576. 0. 0. 0. 30 0. 0. 0. 0. 0. 0. 0. 463. 0. 0. 40 0. 0. 0. 0. 255. 525. 465. 0. 0. 0. Transfer . 50 0. 599. 0. 0. 0. 345. 0. 433. 0. 0. 60 0. 0. 224. 0. 0. 164. 0. 236. 0. 0. 70 0. 0. 0. 225. 134. 178. 239. 341. 0. 0. 80 0. 0. 360. 90. 239. 180. 0. 131. 45. 0. 90 0. 0. 0. 390. 15. 30. 240. 75. 0. 0. 100 0. 0. 0. 435. 0. 0. 253. 0. 0. 0. 110 0. 0. 0. 461. 0. 0. 163. 0. 0. 0. 120 0. 0. 0-549. 0. 0. 268. 0. 0. 0. 0. 130 0. 0. 0. 284. 0. 0. 0. 0. 0. 140 0. 0. 0. 0. 0. 0. 354. 104. 0. 0. 150 0. 0. 0. 0. 594. 310. 0. 0. 0. 0. 160 0. 0. 0. 0. 0. 0. 0. 626. 0. 170 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 180 0. 0. 0. 0. ٥. 0. 0. 0. 0. 0. RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

TABLE 106

,	FILT	ER 7	AT OI	24 AS1	r		1 NS	OL AND	SLE 92	2.0 DE	Ğ
	SPEC	TRAL E	SAND 2	2.54 TO	2.89	MICRO	ONS	ELEVA	ATION 3	30.5 H	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
0		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10		0.	0.	0.	0.	0.	0.	0.	1.86	0.	0.
20		0.	0.	0.	0.	0.	0.	0.	6.85	0.	0.
30		0.	0.	0.	0.	0.	0.	0.	6.85	0.	0.
40		0.	0.	0.	0.	0.24	0.21	0.	1.39	0.	0.
50		0.	0.	0.	0.	0.25	0.25	0.	0.51	0.	0.
60		0.	0.	0.	0.	0.23	0.21	0.	0.25	0.	0.
70		0.	0.	0.	0.15	0.23	0.21	0.23	0.24	0.	0.
80		0.	0.	0.	0.16	0.16	0.19	0.27	0.37	0.33	0.
90		0.	0.	0.	0.17	0.21	0.18	0.32	0.52	0.	0.
100		0.	0.	0.	0.19	0.	0.	0.20	0.	0.	0.
110		0.	0.	0.	0.29	0.	0.	0.23	0.	0.	0.
120		0.	0.	0.	0.29	0.	0.	0.21	0.	0.	0.
130		0.	0.	0.	0.	0.	0.	0.19	0.	0.	0.
140		0.	0.	0.	0.	0.	0.	0-21	0.22	0.	0.
150		0.	0.	0.	0.	0.	0.	0.22	0.23	0.	0.
160		0.	0.	0.	0.	0.	0.	0.	0.22	0.	0.
170		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
180		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

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RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

VIEWING ANGLE AND SCATTERING ANGLE ARE IN DEGREES.

TABLE 107

SPE	CTRAL	BAND	2.54	TO 2.8	9 MICR	ONS	ELEV	ATION	30.5
SA VA	0	10	20	30	40	50	60	70	80
0	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.	0.	1.28	0.
20	0.	0.	0.	0.	0.	0.	0.	9.39	0.
30	0.	0.	0.	0.	0.	0.	0.	8.67	0.
40	0.	0.	0.	0.	0.16	0.16	0.	1.50	0.
50	0.	0.	0.	0.	0.18	0.17	0.	0.40	0.
60	0.	0.	0.	0-	0.17	0.16	0.	0.17	0.
70	0.	0.	0.	0.12	0.14	0.15	0.17	0.16	0.
80	0.	0.	0.	0.13	0.14	0.15	0.18	0.21	0.2
90	0.	0.	0.	0.13	0.17	0.14	0.19	0.22	0-
100	0.	0.	0.	0-14	0.	0.	0.15	0.	0.
110	0.	0.	0.	0.19	0.	0.	0-16	0.	0.
120	0.	0.	0.	0.19	0.	0.	0.15	0.	0.
130	0.	0.	0.	0.	0.	0.	0.14	0.	0.
140	0.	0.	0.	0.	0.	0.	0.15	0.15	0.
150	0.	0.	0.	0.	0.	0.	0.15	0.16	0.
160	0.	0.	0.	0.	0.	0.	0.	0.15	0.
170	0.	0.	0.	0.	0.	0.	0.	0.	0.
180	0.	0.	0.	0-	0.	0.	0.	0.	0.

VIEWING ANGLE AND SCATTERING ANGLE ARE IN DEGREES.

TABLE 108

FILTER 6 AT 0130 AST INSOL ANGLE 91.9 DEG

SPECTRAL BAND 2.50 TO 2.78 MICRONS ELEVATION 30.5 KM

SA	/A	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	73.	45.	0.	135.	0-	0.
0	A	0.	0.	0.	0.	67.	45.	0.	105.	0.	0.
	L	0.	0.	0.	0.	60.	45.	0.	75.	0.	0.
	R	0.	0.	0.	0.	105.	60.	0.	143.	0.	0.
10	A	0.	0.	0.	0.	135.	68.	0.	162.	0.	0.
	L	0.	0.	0.	0.	165.	75.	0.	180.	0.	0-
	R	0.	0.	0.	0.	75.	120.	0.	195.	0.	0.
20	A	0.	0.	0.	0.	83.	128.	0.	188.	0.	0.
	L	0.	0.	0.	0.	90•	135.	0.	180.	0.	0.
	R	0.	0.	0.	0.	75.	75.	0.	129.	0.	0.
30	A	0.	0.	0.	0.	105.	75.	0.	162.	0.	0.
	L	0.	0.	0.	0.	135.	75.	0.	195.	0.	0.
	R	0.	0.	0.	60.	0.	0.	0.	150.	0.	0.
40	A	0.	0.	0.	30.	68.	30.	0-	180.	0.	0.
	L	0.	0.	0.	0.	135.	60.	0.	210.	0.	0.
	R	0.	0.	0.	180.	0.	0.	0.	30.	0.	0.
50	A	0.	0.	0.	90.	38.	68.	0.	98.	0.	0.
	L	0.	0.	0.	0.	75.	135.	0.	165.	0.	0.
	R	0.	0.	0.	195.	0.	0.	•	45.	60.	0.
60	A	0.	0.	0.	98.	68.	53.	•	135.	30.	0.
	L	0.	0.	0.	0.	135.	105.	0.	225.	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

		FILTE	R 6	AT 01	30 AS	T		IN	SOL AN	GLE 9	1.9 D	EG
		SPECT	RAL	BAND 2	.50 T	0 2.7	8 MICR	ONS	ELEV	ATION	30.5	KM
	SA		0	10	20	30	40	50	60	70	80	90
I		R	0.	0.	0.	195.	0.	0.	0.	135.	0.	0-
_	70	A	0.	0.	0.	98.	52.	67.	0.	157.	0.	0.
		L	0.	0.	0.	0.	103.	134.	0.	179.	0.	0.
		R	0.	0.	0.	195.	0.	0.	0.	270.	0.	0.
E.	80	A	0.	0.	0.	98.	45.	60.	0.	203.	0.	0.
		L	0.	0.	0.	0.	89.	120.	0.	135.	0.	0.
-		R	0.	0.	0.	270.	0.	0.	0.	180.	0.	0.
	90	A	0.	0.	0.	135.	30.	45.	0.	216.	0.	0.
		L	0.	0.	0.	0.	59.	90.	0.	251.	0.	0.
}		R	0.	0.	0.	150.	0.	0.	0.	150.	0.	0.
4	100	A	0.	0.	0.	75.	0.	0.	0.	135.	0.	0.
		L	0.	0.	0.	0.	0.	0.	0.	119.	0.	0.
		R	0.	0.	0.	119.	0.	0.	0.	210.	0.	0.
ī	110	A	0.	0.	0.	60.	0.	0.	0.	105.	0.	0-
		L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
		R	0.	0.	0.	206.	0.	0.	0.	210.	0.	0-
-	120	A	0.	0.	0.	103.	0.	0.	0.	105.	0.	0.
		L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	RAD	I ANCE	VAL	UES ARE	IN M	ICROWA	TTS PE	R SQ.	CM. PE	R STER	ADIAN	•

TABLE 109 CONT.

FILTER 6 AT 0130 AST INSOL ANGLE 91.9 DEG

SPECTRAL BAND 2.50 TO 2.78 MICRONS ELEVATION 30.5 KM

VA Sa	0	10	20	30	40	50	60	70	80	90
R	0.	0.	0.	216.	0.	0.	0.	209.	0.	0.
130 A	0.	0.	0.	108.	0.	0.	0.	105.	0.	0.
ι	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
R	0.	0.	0.	181.	0.	0.	0.	149.	0.	0.
140 A	0.	0.	0.	91.	0.	0.	0.	75.	0.	0.
L	. 0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
R	0.	0.	0.	207.	0.	0.	0.	239.	0.	0.
150 A	0.	0.	0.	104.	0.	0.	0.	120.	0.	0.
ı	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
R	0.	0.	0.	157.	0.	0.	0.	224.	0.	0.
160 A	0.	0.	0.	79.	0.	0.	0.	112.	0.	0.
Ł	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
R	0.	0.	0.	47.	0.	0.	0.	240.	0.	0.
170 A	0.	0.	0.	24.	0.	0.	0.	165.	0.	0.
Ĺ	0.	0.	0.	0.	0.	0.	0.	90.	0.	0.
R	0.	0.	0.	67.	0.	0.	0.	103.	0.	0.
180 A	0.	0.	0.	34.	0.	0.	0.	96.	0.	0.
Ĺ	0.	0.	0.	0.	0.	0.	0.	89.	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

TABLE 109 CONT.

;	SPE	CTRAL	BAND	□. 50	TO 2.7	'8 MICR	IONS	EL	EVATION	30-
SA	VA	0	10	20	30	40	50	60	70	80
	R	0.	0.	0.	0.	0.99	0.95	0.	7.30	0.
0	A	0.	0.	0.	0.	0.94	0.92	0.	6.02	0.
	L	0.	0.	0.	0-	0.89	0.89	0.	3.72	0.
	R	0.	0.	0.	0.	1.17	1.23	0.	19.48	0.
10	A	0.	0.	0.	0.	0.89	0.92	0.	9.92	0.
	L	0.	0.	0.	0.	0.70	0.66	0.	2.33	0.
	R	0.	0-	0.	0.	1.47	1.42	0.	27.82	0.
20	A	0.	0.	0.	0.	0.97	0.97	0.	15.28	0.
	L	0.	0.	0.	0.	0.54	0.57	0.	1.69	0.
	R	0.	0.	0.	0.	1.34	1.35	0.	18.67	0.
30	A	0.	0.	0.	0.	0.83	0.93	0.	8.25	0.
	Ł	0.	0.	0.	0-	0.55	0.50	0.	1.36	0.
	R	0.	0.	0.	0-47	0.	0.	0.	7.65	0.
40	A	0.	0.	0.	0-47	0.35	0.35	0.	4.00	0.
	L	0.	0.	0.	0.	0.35	0.35	0.	1.39	0.
	R	0.	0.	0.	0-47	0.	0.	0.	3.58	0.
50	A	0.	0.	0.	0-47	0.18	0.18	0.	1.31	0.
	L	0.	0.	0.	0.	0.18	0.18	0.	0.89	0.
	R	0.	0.	0.	0.38	0.	0.	0.	3.82	2.
60	A	0.	0.	0.	0.38	0.18	0.19	0.	0.78	2.
	L	0.	0.	0.	0.	0.18	0.19	0.	0.17	0.

	FIL	TER	6 AT	0130 AS	ST .		IN	SOL	ANGLE 9	1.9 D	EG
	SPE	CTRAL	BAND	2.50 1	ro 2.7	8 MICR	ONS	EL	EVATION	30.5	KM
C A	VA	0	10	20	30	40	50	60	70	80	90
SA		•	•	•	0.25	•	•	•	1 00	•	^
	R	0.	0.	0.	0.25	0.	0.	0.	1.88	0.	0.
70	A	0.	0.	0.	0.25	0.19	0.19	0.	0.91	0.	0.
	L	0.	0.	0.	0.	0-19	0.19	0.	0.18	0.	0.
	R	0.	0.	0.	0.20	0.	0.	0.	1.75	0.	0.
80	A	0.	0.	0.	0.20	0-19	0.20	0.	1.24	0.	0.
	L	0.	0.	0.	0.	0.19	0.20	0.	0.23	0.	0.
	R	0.	0.	0.	0.17	0.	0.	0.	1.27	0.	0-
90	A	0.	0.	0.	0.17	0.20	0.21	0.	0.64	0.	0.
	L	0.	0.	0.	0.	0.20	0.21	0.	0.19	0.	0.
	R	0.	0.	0.	0.17	0.	0.	0.	1.81	0.	0.
100	A	0.	0.	0.	0.17	0.	0.	0.	1.11	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.22	0.	0.
	R	0.	0.	0.	0.19	0.	0.	0.	0.17	0.	0.
110	A	0.	0.	0.	0.19	0.	0.	0.	0.17	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.20	0.	0.	0.	0.18	0.	0.
120	A	0.	0.	0.	0.20	0.	0.	0.	0.18	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TABLE 110 CONT.

	FILTER 6 AT 0130 AST								NGLE 9	1.9	EG
	SPE	CTRAL	BAND	2.50 1	ro 2.7	'8 MIC	RONS	ELE	VATION	30.5	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.29	0.	0.	0.	0.20	0.	0.
130	A	0.	0.	0.	0.29	0.	0.	0.	0.20	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.34	0.	0.	0.	0.19	0.	0.
140	A	0.	0.	0.	0.34	0.	0.	0.	0.19	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0-	0.21	0.	0.	0.	0.22	0.	0.
150	A	0.	0.	0.	0.21	0.	0.	0.	0.22	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.34	0.	0.	0.	0.20	0.	0.
160	A	0.	0.	0.	0.34	0.	0.	0.	0.20	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0-
	R	0.	0.	0.	0.53	0.	0.	0.	0.20	0.	0.
170	A	0.	0.	0.	0.53	0.	0.	0.	0.21	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.23	0.	0.
	R	0.	0.	0.	0.48	0.	0.	0.	0.25	0.	0.
180	A	0.	0.	0.	0.48	0.	0.	0.	0.25	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.25	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

TABLE 110 CONT.

FILTER 6 AT 0130 AST							IN	SOL	ANGLE '	91.9 D	EG
S	PEC	TRAL	BAND	2.50	TO 2.70	B MICR	ONS	EL	EVATION	30.5	KM ·
											, to
SA V	/A	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.23	0.20	0.	1.81	0.	0.
0	A	0.	0.	0.	0.	0.32	0.29	0.	1.87	0.	0.
	L	0.	0.	0.	0.	0.22	0.21	0.	0.48	0.	0.
	R	0.	0.	0.	0.	0.23	0.24	0.	5.55	0.	0.
10	A	0.	0.	0.	0.	0.33	0.32	0.	5.56	0.	0.
	L	0.	0.	0.	0.	0.24	0.22	0.	0.41	0.	0.
	R	0.	0.	0.	0.	0.23	0.20	0.	0.32	0.	0.
20	A	0.	0.	0.	0.	0.31	0.31	0.	0.43	0-	0.
	L	0.	0.	0.	0.	0-21	0.23	0.	0.29	0.	0.
	R	0.	0.	0.	0.	0.22	0.25	0.	4.57	0.	0.
30	A	0.	0.	0-	0.	0.30	0.31	0.	4.58	0.	0.
	L	0.	0.	0.	0.	0.21	0.19	0.	0.22	0.	0.
	R	0.	0.	0.	0.20	0•	0.	0.	2.87	0.	0.
40	A	0.	0.	0.	0.20	0.24	0.21	0.	3.01	0.	0.
	L	0.	0.	0.	0.	0-24	0.21	0.	0.94	0.	0.
	R	0.	0.	0.	0.21	0-	0.	0-	0.32	0.	0.
50	A	0.	0.	0.	0.21	0-14	0.15	0.	1.32	0.	0.
	L	0.	0.	0.	0.	0.14	0.15	0.	1.28	0.	0.
	R	0.	0.	0.	0.19	0.	0.	0.	0.48	0.35	0.
60	A	0.	0.	0.	0.19	0.13	0.12	0.	0.50	0.35	0.
	L	0.	0.	0.	0.	0.13	0.12	0.	0.13	0.	0.
RAD	E ANC	CE VAL	UES /	ARE IN	MICROWA	TTS PE	R SQ.	CM.	PER STE	RADIAN	١.

	1	FIL	TER	6 AT	0130 AS	ST .		IN	ISOL	ANGLE 9	1.9 D	EG
E	:	SPE	CTRA	L BAND	2.50 1	0 2.7	8 MICR	ONS	EL	EVATION	30.5	KM
	SA	VA	0	10	20	30	40	50	60	70	80	90
		R	0.	0.	0.	0.16	0.	0.	0.	0.21	0.	0.
I	70	A	0.	0.	0.	0.16	0-14	0.15	0.	0.25	0.	0.
•		L	0.	0.	0.	0.	0.14	0.15	0.	0.13	0.	0.
I		R	0.	0.	0.	0.16	0.	0.	0.	0.26	0.	0.
TT.	80	A	0.	0.	0.	0.16	0.15	0.15	0.	0.30	0.	0.
		L	0.	0.	0.	0.	0.15	0.15	0.	0.16	0.	0.
П		R	0.	0.	0.	0.14	0.	0.	0.	0.39	0.	0.
	90	A	0.	0.	0.	0.14	0.16	0.14	0.	0.42	0.	0.
		L	0.	0.	0.	0.	0.16	0.14	0 .	0.14	0.	0.
11		R	0.	0.	0.	0.12	0.	0 %	0.	1.42	0.	0.
	100	A	0.	0.	0.	0.12	0.	0.	0.	1.43	0.	0.
1 7		L	0.	0.	0.	0.	0.	0.	0.	0.16	0.	0.
		R	0.	0.	0.	0.14	0.	0.	0.	0.12	0.	0.
	110	A	0.	0.	0.	0.14	0.	0.	0.	0.12	0.	0.
12		L	0.	0.	0.	0.	0.	0.	0.	0.	٥.	٥.
		R	٥.	0.	0.	0.15	0.	0.	0.	0.13	0.	0.
	120	A	0.	0.	0.	0.15	0.	0.	0.	0.13	0.	0.
		L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1	RAD	I AN	CE V	ALUES A	RE IN	ICROWA	TTS PE	R SQ.	CM.	PER STER	ADIAN	0

TABLE III CONT.

	FIL	TER (5 AT	0130 A		INSOL	ANGLE 9	1.9	EG		
	SPE	CTRAL	BAND	2.50	TO 2.7	8 MI(CRONS	EL	EVATION	30.5	KH
S	VA	0	10	20	30	40	50	60	70	80	90
3,	R	0.	0.	0.	0.17	0.	0.	0.	0.14	0.	0.
130	A C	0.	0.	0.	0-17	0.	0.	0.	0.14	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.17	0.	0.	0.	0.13	0.	0.
14	0 A	0.	0.	0.	0.17	0.	0.	0.	0.13	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.14	0.	0.	0.	0.15	0.	0.
15	A O	0.	0.	0.	0.14	0.	0.	0.	0.15	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.18	0.	0.	0.	0.14	0.	0.
16	O A	0.	0.	0.	0.18	0.	0.	0.	0.14	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.12	0.	0.	0.	0.15	0.	0-
17	0 A	0.	0.	0.	0.12	0.	0.	0.	0.22	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.16	0.	0.
	R	0.	0.	0.	0.15	0.	0.0	0.	0.16	0.	0.
18	O A	0.	0.	0.	0.15	0.	0.	0.	0.23	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.16	0.	0.

TABLE 111 CONT.

	FILT	ER 6	AT 01	30 AS	iT.		IN	SOL AN	IGLE 9)1.9 DE	E G
I	SPEC	TRAL	BAND 2	2.50 T	0 2.7	8 MICR			ATION		KM
	VA SA	0	10	20	30	40	50	60	70	80	90
Ī	0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
F	10	0.	0.	0.	0.	0.	0.	0.	210.	0.	0.
-	20	0.	0.	0.	0.	0.	0.	0.	533.	. 0.	0-
	30	0.	0.	0.	0.	0.	0.	0.	405.	0.	0-
F	40	0.	0.	0.	0.	403.	330.	0.	399.	0.	0.
	50	0.	0.	0.	0.	420.	330.	0.	240.	0.	0-
	60	0.	0.	0.	0.	165.	180.	0.	255。	60.	0.
	70	0.	0.	0.	375.	195.	180.	0.	314.	0.	0.
	80	0.	0.	0.	420。	132.	164.	0.	435。	0.	0.
П	90	0.	0.	0.	405。	59。	90.	0.	431.	0.	0.
	100	0.	0.	0.	399.	0.	0.	0.	284.	0.	0.
	110	0.	0.	0.	574。	0.	0 -	0.	210.	0.	0.
u	120	0.	0.	0.	272.	0.	0.	0.	225。	0.	0.
	130	0.	0.	0.	0.	0.	0.	0.	179.	0.	0.
.	140	0.	0.	0.	0.	0.	0.	0.	284。	0.	0.
	150	0.	0.	0.	0.	0.	0.	0.	253。	0.	0.
	160	0.	0.	0.	0.	0.	0.	0.	582.	0.	0.
	170	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
l	180	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
_	RADIANCE	E VAL	UES ARE	IN M	ICROWA	TTS PE	R SQ.	CM. PE	R STER	AD I AN .	

TABLE 112

FIL	TER 6	AT	0130 AS	T		IN	SOL	ANGLE 9	1.9 D	EG
SPE	CTRAL	BAND	2.50 1	0 2.7	8 MICR	ONS	EL	EVATION	30.5	KM
VA N	0	10	20	30	40	50	60	70	80	90
0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0	0.	0.	0.	0.	0.	0.	0.	6.02	0.	0.
0	0.	0.	0.	0.	0.	0.	0.	11.85	0.	0.
0	0.	0.	0.	0.	0.	0.	0.	11-60	0.	0.
0	0.	0.	0.	0.	0.90	0.93	0.	4-68	0.	0.
0	0.	0.	0.	0.	0.85	0.92	0.	1.75	0.	0.
0	0.	0.	0.	0.	0.23	0.19	Q.	0.82	2.26	0.
0	0.	0.	0.	0.44	0.18	0.20	0.	0.91	0.	0.
0	0.	0.	0.	0.24	0.20	0.19	0.	1.22	0.	0.
0	0.	0.	0.	0.18	0.20	0.21	0.	0.60	0.	0.
0	0.	0.	0.	0.19	0.	0.	0.	1.06	0.	0.
0	0.	0.	0.	0.28	0.	0.	0.	0.16	0.	0.
0	0.	0.	0.	0.41	0.	0.	0.	0.18	0.	0.
0	0.	0.	0.	0.	0.	0.	0.	0.20	0.	0.
0	0.	0.	0.	0.	0.	0.	0.	0.20	0.	0.
0	0.	0.	0.	0.	0.	0.	0.	0.21	0.	0.
0	0.	0.	0.	0.	0.	0.	0.	0.22	0.	0.
0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	SPE VA O O O O O O O O O O O O O O O O O O	SPECTRAL VA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	SPECTRAL BAND VA 0 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	SPECTRAL BAND 2.50 1 VA 0 10 20 0 0. 0. 0. 0. 0 0. 0. 0. 0. 0 0. 0. 0. 0. 0 0. 0. 0. 0 0. 0. 0. 0 0. 0. 0. 0 0. 0. 0. 0 0. 0. 0. 0 0. 0. 0. 0 0. 0. 0. 0 0. 0. 0. 0 0. 0. 0. 0 0. 0. 0. 0 0. 0. 0. 0 0. 0. 0. 0 0. 0. 0. 0 0. 0. 0. 0 0. 0. 0. 0 0. 0. 0. 0 0. 0. 0. 0 0. 0. 0. 0 0. 0. 0.	VA 0 10 20 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <th>SPECTRAL BAND 2.50 TO 2.78 MICR VA 0 10 20 30 40 0 0. 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0.</th> <th>SPECTRAL BAND 2.50 TO 2.78 MICRONS VA 0 10 20 30 40 50 O 0. 0. 0. 0. 0. 0. O 0.<!--</th--><th>SPECTRAL BAND 2.50 TO 2.78 MICRONS EL VA 0 10 20 30 40 50 60 O 0 0 0 0 0 0 0 0 O 0 <</th><th>SPECTRAL BAND 2.50 TO 2.78 MICRONS ELEVATION (VA 0 10 20 30 40 50 60 70 (O 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.</th><th>SPECTRAL BAND 2.50 TO 2.78 MICRONS ELEVATION 30.5 VA 0 10 20 30 40 50 60 70 80 O 0. 0. 0. 0. 0. 0. 0. 0. O 0. 0. 0. 0. 0. 0. 0. 0. O 0. 0. 0. 0. 0. 0. 11.60 0. O 0. 0. 0. 0. 0. 11.60 0. O 0. 0. 0. 0. 0. 11.60 0. O 0. 0. 0. 0. 0. 0. 11.60 0. O 0. 0. 0. 0. 0. 0. 1.75 0. O 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.</th></th>	SPECTRAL BAND 2.50 TO 2.78 MICR VA 0 10 20 30 40 0 0. 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0 0. 0. 0. 0. 0. 0. 0.	SPECTRAL BAND 2.50 TO 2.78 MICRONS VA 0 10 20 30 40 50 O 0. 0. 0. 0. 0. 0. O 0. </th <th>SPECTRAL BAND 2.50 TO 2.78 MICRONS EL VA 0 10 20 30 40 50 60 O 0 0 0 0 0 0 0 0 O 0 <</th> <th>SPECTRAL BAND 2.50 TO 2.78 MICRONS ELEVATION (VA 0 10 20 30 40 50 60 70 (O 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.</th> <th>SPECTRAL BAND 2.50 TO 2.78 MICRONS ELEVATION 30.5 VA 0 10 20 30 40 50 60 70 80 O 0. 0. 0. 0. 0. 0. 0. 0. O 0. 0. 0. 0. 0. 0. 0. 0. O 0. 0. 0. 0. 0. 0. 11.60 0. O 0. 0. 0. 0. 0. 11.60 0. O 0. 0. 0. 0. 0. 11.60 0. O 0. 0. 0. 0. 0. 0. 11.60 0. O 0. 0. 0. 0. 0. 0. 1.75 0. O 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.</th>	SPECTRAL BAND 2.50 TO 2.78 MICRONS EL VA 0 10 20 30 40 50 60 O 0 0 0 0 0 0 0 0 O 0 <	SPECTRAL BAND 2.50 TO 2.78 MICRONS ELEVATION (VA 0 10 20 30 40 50 60 70 (O 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	SPECTRAL BAND 2.50 TO 2.78 MICRONS ELEVATION 30.5 VA 0 10 20 30 40 50 60 70 80 O 0. 0. 0. 0. 0. 0. 0. 0. O 0. 0. 0. 0. 0. 0. 0. 0. O 0. 0. 0. 0. 0. 0. 11.60 0. O 0. 0. 0. 0. 0. 11.60 0. O 0. 0. 0. 0. 0. 11.60 0. O 0. 0. 0. 0. 0. 0. 11.60 0. O 0. 0. 0. 0. 0. 0. 1.75 0. O 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.

IR RMS FLUCTUATION AS A FUNCTION OF SCATTERING ANGLE

— N	FIL	TER (6 AT	0130 A	ST		IN	ISOL	ANGLE 9)1.9 D	EG
	SPE	CTRAL	BAND	2.50	TO 2.7	8 MICR	ONS	EL	EVATION	30-5	KM
	VA SA	0	10	20	30	40	50	60	70	80	90
	0	0.	0.	0.	0.	0.	0 0	0.	0.	0.	0.
İ	10	0.	0.	0.	0.	0.	0.	0.	2.27	0.	0.
	20	0.	0.	0.	0.	0.	0.	0.	11.16	0.	0.
	30	0.	0.	0.	0.	0.	0.	0.	11.77	0-	0.
	40	0.	0.	0.	0.	0.30	0.35	0.	4.65	0.	0.
	50	0.	0.	0.	0.	0.47	0.49	0.	1.69	0.	0.
	60	0.	0.	0.	0.	0.20	0.14	0.	1.41	0.35	0.
	70	0.	0.	0.	0.20	0.14	0.14	0.	0.86	0.	0.
	80	0.	0.	0-	0.17	0.15	0.15	0.	0.76	0-	0.
	90	0.	0.	0.	0.14	0.16	0.14	0.	0.57	0.	0.
	100	0.	0.	0.	0.14	0.	0.	0.	1.31	0.	0.
	110	0.	0.	0.	0.17	0.	0.	0.	0.12	0-	0.
	120	0.	0.	0.	0.18	0.	0.	0.	0.13	0.	0.
	130	0.	0.	0.	0.	0.	0.	0.	0.14	0.	0.
	140	0.	0.	0.	0.	0.	0.	0.	0.14	0.	0.
	150	0.	0.	0.	0.	0.	0.	0.	0.15	0.	0.
	160	0.	0.	0.	0.	0.	0.	0.	0.16	0.	0.
	170	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	180	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	RADIAN	CE VAL	LUES A	RE IN A	HICROWA	TTS PE	R SQ.	CM.	PER STER	ADIAN.	•

TABLE 114

VIEWING ANGLE AND SCATTERING ANGLE ARE IN DEGREES.

FILTER	4	AT	0134 AST		INSOL ANGLE	91.7 DE	:G
SPECTRA	L B	AND	2.76 TO	3.25 MICRONS	ELEVATIO	N 30.5	KM

SA	/A	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	90.	0.	0.	105.	84.	0.	0.
0	A	0.	0.	0.	105.	0.	0.	98.	95.	0.	0
	L	0.	0.	0.	120.	0.	0.	90.	105.	0.	0.
	R	0.	0.	0.	165.	0.	0.	180.	163.	0.	0.
10	A	0.	0.	0.	173.	0.	0.	173.	157.	0.	0.
	L	0.	0.	0.	180.	0.	0.	165.	150.	0.	0.
	R	0.	0.	0.	150.	0.	0.	195.	150.	0.	0.
20	A	0.	0.	0.	180.	0.	0.	195。	158.	0.	0.
	L	0.	0.	0.	210.	0.	0.	195.	165.	0.	0.
	R	0.	0.	0.	120.	0.	0.	45。	178.	0.	0.
30	A	0.	0.	0.	150.	0.	0.	135。	164.	0.	0.
	L	0.	0.	0.	180.	0.	0.	225。	150.	0.	0.
	R	0.	0.	0.	165。	0.	0.	0.	135.	0.	0.
40	A	0.	0.	0.	188-	0.	0.	105。	165.	0.	0-
	Ł	0.	0.	0.	210.	0.	0.	210.	195。	0.	0.
	R	0.	0.	0.	165.	0.	90•	0.	120.	0.	0.
50	A	0.	0.	0.	173.	0.	45。	113.	135.	0.	0.
	L	0.	0.	0.	180.	0.	0.	225。	150.	0.	0.
	R	0.	û.	0.	0.	0.	210.	0.	180.	0.	0-
60	A	0.	0.	0.	90.	0.	105.	98。	195.	0.	0.
	L	0.	0.	0.	180.	0.	0.	195。	210.	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

[]		I	R NUM	BER OF	OBSE	RVATION	IS AS A	FUNC	TION OF	SUN A	AZ IMUTI	H .
				AT O			5 MICR		ISOL AN Elev			
		VA	0	10	20	30	40	50	60	70	80	90
	SA	R	0.	0.	0.	0.	0.	225.	0.	150.	0.	0.
	70	A	0.	0.	0.	98.	0.	113.	105.	165.	0.	0.
n		L	0.	0.	0.	195.	0.	0.	210.	180.	0.	0.
H		R	0.	0.	0.	0.	0.	180.	0.	195.	0.	0-
	80		0-	0.	0.	90.			53.	180.	0.	0-
		L	0.	0.	0.	180.		0 .	105.	165.	0.	0-
		R	0.	0.	0.	0.	0.	270。	0.	195.	0.	0-
	90		0.	0.	0.	83.	0.	135.	128.	203.	0.	0.
		L	0.	0.	0.	165.		0.	255。	210.	0.	0.
	100	R	0.	0.	0.	0.	0.	195.	0.	210.	0.	0.
	100	L	0.	0.	0.	68. 135.		98。	15. 30.	189.	0.	0.
		R	0.	0.	0.	0.	0.	255.	0.	165. 210.	0.	0.
	110		0.	0.	0.	0.	0.	128.	0.	105.	0.	0.
		L	0.	0.	0.	0.	0.		0.	0.	0.	0.
		R	0.	0.	0.	0.	0.	180.	0.	150.	0.	0.
	120		0.	0.	0.	0.	0.	90.		83.		0.
E		L	0.	0.	0.	0.	0.	0.	0.	15.	0.	0.
Ī	RAD	I ANC	E VAL	UES ARI	E IN P	IICROWA	TTS PE	R SQ.	CM. PE	R STER	RADIAN	D

TABLE 115 CONT.

FILTER 4 AT 0134 AST INSOL ANGLE 91.7 DEG

SPECTRAL BAND 2.76 TO 3.25 MICRONS ELEVATION 30.5 KM

V/ SA	A	0	10	20	30	40	50	60	70	80	90
i	R	0.	0.	0.	0.	0.	225.	0.	195.	0.	0.
130	A	0.	0.	0.	0.	. 0.	113.	0.	98.	0.	0.
i	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1	R	0.	0.	0.	0.	0.	195.	0.	240.	0.	0.
140	A	0.	0.	0.	0.	0.	98.	0.	120.	0.	0.
ı	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1	R	0.	0.	0.	0.	0.	210.	0.	105.	30.	0.
150	A	0.	0.	0.	0.	0.	105.	0.	53。	15.	0.
, (L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1	R	0.	0.	0.	0.	0.	180.	0.	180.	0.	0.
160	A	0.	0.	0.	0.	0.	90.	0.0	90.	0.	0-
i	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1	R	0.	0.	0.	0.	0.	135。	0.	255。	0.	0.
170	A	0.	0.	0.	0.	0.	68.	0.	203.	8.	0.
1	L	0.	0.	0.	0.	0.	0.	0.0	150.	15.	0.
1	R	0.	0.	0.	0.	0.	0.	0.	105.	0.	0.
180	A	0.	0.	0.	0.	0.	0.	0.	120.	0.	0.
1	L	0.	0.	0.	0.	0.	0.	0.	135.	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

TABLE 115 CONT.

FI	LTER	4 AT	0134 A	ST		IN	SOL A	NGLE S	1.7	EG
SPI	ECTRA	L BAND	2.76	TO 3.2	5 MI(CRONS	ELE	ATION	30.5	K
VA SA	0	10	20	30	40	50	60	70	80	(
R	0.	0.	0.	0.14	0.	0.	1.36	8.39	0.	(
0 A	0-	0.	0.	0.14	0.	0.	1.14	5.69	0.	
L	0.	0.	0.	0-14	0.	0.	0.90	3.52	0.	
R	0.	0.	0.	0.13	0.	0.	2.13	29.14	0.	
10 A	0.	0.	0.	0.14	0.	0.	1.35	15.95	0.	
L	0.	0.	0.	0.15	0.	0.	0.50	1.61	0.	
R	0.	0.	0.	0.13	0.	0.	3.03	39.45	0.	
20 A	0.	0.	0.	0.14	0.	0.	1.72	19.29	0.	
L	0.	0.	0.	0.14	0.	0.	0.41	0.96	0.	
R	0.	0.	0.	0.22	0.	0.	2.79	24.37	0.	
30 A	0.	0.	0.	0.20	0.	0.	1.07	13.73	0.	
L	0.	0.	0.	0.18	0.	0.	0.73	1.09	0.	
R	0.	0.	0.	0.28	0.	0.	0.	5.47	0.	
40 A	0.	0.	0.	0.27	0.	0.	0.38	2.76	0.	
L	0.	0.	0.	0.26	0.	0.	0.38	0 : 89	0.	
R	0.	0.	0.	0.13	0.	0.37	0.	4.11	0.	
50 A	0.	0.	0.	0.21	0.	0.37	0.26	2.37	0.	
L	0.	0.	0.	0.28	0.	0.	0.26	0.98	0.	
R	0.	0.	0.	0.	0.	0.24	0.	2.24	0.	
60 A	C.	0.	0.	0.25	0.	0.24	0.31	1.27	0.	
L	0.	0.	0.	0.25	0.	0.	0.31	0.43	0.	

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

FILTER 4 AT 0134 AST INSOME SPECTRAL BAND 2.76 TO 3.25 MICRONS									SLE 91	1.7 DE	G
9	SPEC	TRAL E	BAND 2	2.76 TO	3.29	MICRO	ONS	ELEV	ATION 3	30 - 5 I	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.	0.18	0.	1.08	0.	0.
70	A	0.	0.	0.	0.21	0.	0.18	0.35	0.76	0.	0.
	L	0.	0.	0.	0.21	0.	0.	0.35	0.50	0.	0.
	R	0.	0.	0.	0.	0.	0.25	0.	1.07	0.	0.
80	A	0.	0.	0.	0.19	0.	0.25	0-41	0.82	0.	0.
	L	0.	0.	0.	0.19	0.	0.	0.41	0.53	0.	0.
	R	0.	0.	0.	0.	0.	0.31	0.	0.92	0.	0.
90	A	0.	0.	0.	0.21	0.	0.31	0.28	0.65	0.	0.
	L	0.	0.	0.	0.21	0.	0.	0.28	0.40	0.	0.
	R	0.	0.	0.	0.	0.	0.22	0.	0.89	0.	0.
100	A	0.	0.	0.	0.27	0.	0.22	0.30	0.70	0.	0.
	L	0.	0.	0.	0.27	0.	0.	0.30	0.46	0.	0.
	R	0.	0.	0.	0.	0.	0.30	0-	0.46	0.	0.
110	A	0.	0.	0.	0.	0.	0.30	0.	0.46	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.30	0.	0.53	0.	0.
120	A	0.	0.	0.	0.	0.	0.30	0.	0.54	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.54	0.	0.

TABLE 116 CONT.

F	I L	TER	4 AT	0134 A	ST		IN	SOL	ANGLE 9	1.7 D	EG
\$	SPE	CTRAL	BAND	2.76	TO 3.	25 MIC	RONS	EL	EVATION	30.5	KM
SA.	/A	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.	0.47	0.	0.54	0.	0.
130	A	0.	0.	0.	0.	0.	0.47	0.	0.54	0.	0.
	L	0.	0-	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.36	0.	0.55	0.	0.
140	A	0.	0.	0.	0.	0.	0.36	0.	0.55	0.	0-
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.31	0.	0.59	0.57	0.
150	A	0.	0.	0.	0.	0.	0.31	0.	0.59	0.57	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.49	0.	0.62	0.	0.
160	A	0.	0.	0.	0.	0.	0.49	0.	0.62	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.65	0.	0.56	0.	0.
170	A	0.	0.	0.	0.	0.	0.65	0.	0.59	0.64	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.66	0.64	0.
	R	0.	0.	0.	0.	0.	0.	0.	0.62	0.	0.
180	A	0.	0.	0.	0.	0.	0.	0.	0.64	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.66	0.	0.
RADI	AN	CE VA	LUES A	RE IN I	MICROW	ATTS P	ER SQ.	CM. (PER STER	ADIAN.	•

TABLE 116 CONT.

	FIL	TER 4	AT.	0134	ST		11	NSOL A	IGLE 9	1.7 D	EG
	SPE	CTRAL	BAND	2.76	TO 3.2	5 MI	CRONS	ELEV	ATION	30.5	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.09	0.	0.	0.24	1.83	0.	0.
0	A	0.	0.	0.	0.14	0.	0.	0.30	2.03	0.	0.
	L	0.	0.	0.	0-11	0.	0.	0.18	0.88	0.	0.
	R	0.	0.	0.	0.10	0.	0.	0.35	11.21	0.	0.
10	A	0.	0.	0.	0.14	0.	0.	0.40	11.22	0.	0.
	L	0.	0.	0.	0.10	0.	0.	0.19	0.42	0.	0.
	R	0.	0.	0.	0.10	0.	0.	0.23	1.98	0.	0.
20	A	0.	0.	0.	0.15	0.	0.	0.29	1.99	0.	0.
	L	0.	0.	0.	0.11	0.	0.	0.17	0.23	0.	0.
	R	0.	0.	0.	0.13	0.	0.	0.27	12.20	0.	0.
30	A	0.	0.	0.	0.19	0.	0.	0.34	12.20	0.	0.
	L	0.	0.	0.	0.13	0.	0.	0.22	0.22	0.	0.
	R	0.	0.	0.	0.17	0.	0.	0.	2.00	0.	0.
40	A	0.	0.	0.	0.23	0.	0.	0.22	2.08	0.	0.
	L	0.	0.	0.	0.16	0.	0.	0.22	0.55	0.	0.
	R	0.	0.	0.	0.10	0.	0.15	0.	2.05	0.	0.
50	A	0.	0.	0.	0.19	0.	0.15	0.17	2.24	0.	0.
	L	0.	0.	0.	0-16	0.	0.	0.17	0.90	0.	0.
	R	0.	0.	0.	0.	0.	0.15	0.	0.68	0.	0.
60	A	0.	0.	0.	0.16	0.	0.15	0.16	0.71	0.	0.
	L	0.	0.	0.	0.16	0.	0.	0.16	0.18	0.	0.

F	: IL	TER	4 AT	0134 A	ST		IN	ISOL AN	GLE 9	1.7 D	EG
\$	SPE	CTRAL	BAND	2.76	TO 3.2	5 MI(CRONS	ELEV	ATION	30.5	K
SA	/A	0	10	20	30	40	50	60	70	80	
	R	0.	0.	0.	0.	0.	0.13	0.	0.21	0.	
70	A	0.	0.	0.	0.13	0.	0.13	0.17	0.27	0.	
	L	0.	0.	0.	0.13	0.	0.	0.17	0.16	0.	
	R	0.	0.	0.	0.	0.	0.17	0.	0.23	0.	
80	A	0.	0.	0.	0.14	0.	0.17	0.16	0.30	0.	
	Ł	0.	0.	0.	0.14	0.	0.	0.16	0.20	0.	
	R	0.	0.	0.	0.	0.	0.18	0.	0.37	0.	
90	A	0.	0.	0.	0.13	0.	0.18	0.16	0.41	0.	
	L	0.	0.	0.	0.13	0.	0.	0.16	0.17	0-	
	R	0.	0.	0.	0.	0.	0.15	0.	0.76	0.	
100	A	0.	0.	0.	0.15	0.	0.15	0.17	0.78	0.	
	L	0.	0.	0-	0.15	0.	0.	0.17	0.19	0.	
	R	0.	0.	0-	0.	0.	0.16	0.	0.18	0.	
110	A	0.	0.	0.	0.	0.	0.16	0.	0.18	0.	
	L	0.	0.	0-	0.	0.	0.	0.	0.	0.	
	R,	0.	0.	0-	0.	0.	0.15	0.	0.16	0.	
120	A	0.	0.	0.	0.	0.	0.15	0.	0.23	0.	
	L	0.	0.	0-	0.	0.	0.	0.	0.16	0.	

TABLE 117 CONT.

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

	FIL	TER .	4 AT	0134 AS	T		IN	SOL	ANGLE 9	1.7 D	EG
	SPE	CTRAL	BAND	2.76	ΓΟ 3	.25 MICR	ONS	EL	EVATION	30.5	KM
.	VA	0	10	20	30	40	50	60	70	80	90
SA	1										
	R	0.	0.	0.	0.	0.	0.17	0.	0.16	0.	0.
130	A	0.	0.	0.	0.	0.	0.17	0.	0.16	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.18	0.	0.18	0.	0.
140	A	0.	0.	0.	0.	0.	0.18	0.	0.18	0.	0.
	ŧ.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.15	0.	0.19	0.20	0.
150	A	0.	0.	0.	0.	0-	0.15	0.	0-19	0.20	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.20	0.	0.18	0.	0.
160) A	0.	0.	0.	0.	0-	0.20	0.	0-18	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.18	0.	0.17	0.	0.
170	A	0.	0.	0.	0.	0.	0.18	0.	0.25	0.18	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.18	0.18	0.
	R	•0•	0.	0.	0.	0.	0.	0.	0.16	0.	0.
180) A	0.	0.	0.	0.	0-	0.	0.	0.26	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.20	0.	0.

TABLE 117 CONT.

FILT	ER 4	AT O	134 AS	ST		IN	ISOL AN	GLE 9	1.7 D	EG
SPEC	TRAL	BAND	2.76	ro 3.2	5 MICR	ONS	ELEV	ATION	30.5	KM
VA SA	0	10	20	30	40	50	60	70	80	90
0	0.	0.	0.	0.	0.	0-	0.	0-	0.	0.
10	0.	0.	0.	0.	0.	0.	0.	165.	0.	0.
20	0.	0.	0.	0.	0.	0.	0.	562.	0.	0.
30	0.	0.	0.	0.	0.	0.	750.	360-	0.	0.
40	0.	0.	0.	0.	0.	0.	465.	358.	0.	0.
50	0.	0.	0.	0.	0.	0 .	315.	300•	0.	0.
60	0.	0.	0.	1125.	0.	120.	240.	375.	0.	0.
70	0.	0.	0.	900.	0.	315.	225.	345.	0.	0.
80	0.	0.	0.	420-	0.	255。	165.	375.	0.	0.
90	0.	0.	0.	330.	0.	330。	270。	420-	0.	0.
100	0.	0.	0.	15.	0.	330.	0.	375。	0.	0.
110	0.	0.	0.	0.	0.	285。	0.	195.	0.	0-
120	0.	0.	0.	0.	0.	315.	0.	180.	0.	0.
130	0.	0.	0.	0.	0.	450。	0.	225。	0.	0.
140	0.	0.	0.	0.	0.	150.	0.	225。	15.	0.
150	0.	0.	0.	0.	0.	0.	0.	210。	15.	0.
160	0.	0.	0.	0.	0.	0.	0.	675。	15.	0-
170	0.	0.	0.	0-	0.	0.	0.	0.	0.	0.
180	0.	0.	0.	0-	0.	0.	0.	0.	0.	0-
RADIANC	E VAL	UES AR	E IN	MICROWA	TTS PE	R SQ.	CM. PE	R STER	RADIAN	•

FI	LTER 4	AT	0134 AS	ST .		IN	SOL AN	IGLE 9	1.7 D	EG
SP	ECTRAL	BAND	2.76	10 3.2	5 MIC	RONS	ELEV	ATION	30.5	KM
VA SA	0	10	20	30	40	50	60	70	80	90
0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.	0.	4.91	0.	0.
20	0.	0.	0.	0.	0.	0.	0.	15.72	0.	0.
30	0.	0.	0.	0.	0.	0.	1.39	17.39	0.	0.
40	0.	0.	0.	0.	0.	0.	1.32	4.47	0.	0.
50	0.	0.	0.	0.	0.	0.	0.33	2.30	0.	0.
60	0.	0.	0.	0.15	0.	0.35	0.28	1.26	0.	0.
70	0.	0.	0.	0.24	0.	0.21	0.35	0.79	0.	0.
80	0.	0.	0.	0.22	0.	0.20	0.39	0.84	0.	0.
90	0.	0.	0.	0.23	0.	0.30	0.28	0.60	0.	0.
100	0.	0.	0.	0.26	0.	0.27	0.	0.71	0.	0.
110	0.	0.	0.	0.	0.	0.32	0.	0.48	0.	0.
120	0.	0.	0.	0.	0.	0.45	0.	0.53	0-	0.
130	0.	0.	0.	0.	0.	0.37	0.	0.55	0.	0.
140	0.	0.	0.	0.	0.	0.66	0.	0.53	0.53	0.
150	0.	0.	0.	0.	0.	0.	0.	0.62	0.60	0.
160	0.	0.	0.	0.	0.	0.	0.	0.61	0-64	0.
170	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
180	0-	0.	0.	0.	0.	0.	0.	0.	0.	0.

TABLE 119

n	FIL	TER 4	AT 0	134 AS	ST .		IN	SOL A	NGLE 9	1.7 DE	G
	SPE	CTRAL	BAND	2.76	ro 3.2	5 MICR	ONS	ELE	ATION	30.5	KM
1											
_	VA SA	0	10	20	30	40	50	60	70	80	90
	0	0.	0.	0.	0.	0.	0•	0.	0.	0.	0.
E	10	0.	0.	0.	0.	0.	0.	0.	2.19	0.	0.
.	20	0.	0.	0.	0.	0.	0.	0.	16.62	0.	0.
	30	0.	0.	0.	0.	0.	0.	0.94	17.96	0.	0.
	40	0.	0.	0.	0.	0.	0.	1.11	4.46	0.	0-
E	50	0.	0.	0.	0.	0.	0.	0.22	2.08	0.	0.
	60	0.	0.	0.	0.11	0.	0.15	0.16	1.04	0.	0.
Ci.	70	0.	0.	0.	0.16	0.	0.15	0.17	0.37	0.	0.
	80	0.	0.	0.	0.14	0.	0.15	0.16	0.35	0.	0.
[]	90	0.	0.	0.	0.14	0.	0.18	0.16	0.37	0.	0.
	100	0.	0.	0.	0.15	0.	0.16	0.	0.62	0.	0.
	110	0.	0.	0.	0.	0.	0.16	0.	0.18	0.	0.
17	120	0.	0.	0.	0.	0.	0.17	0.	0.17	0.	0.
	130	0.	0.	0.	0.	0.	0.19	0.	0.17	0.	0.
T	140	0.	0.	0.	0.	0.	0.18	0.	0.18	0.18	0.
	150	0.	0.	0.	0.	0.	0.	0.	0.18	0.21	0.
I	160	0.	0.	0.	0.	0.	0.	0.	0.19	0.18	0.
	170	0.	0,	0.	0.	0.	0.	0.	0.	0.	0.
	180	0.	0•	0.	0.	0.	0.	0.	0.	0.	0.
•	RADIAN	CE VAL	UES AR	E IN P	11CROWA	TTS PE	R SQ.	CM. PE	R STER	AD I AN .	1
	٧	IEWING	ANGLE	AND S	CATTER	ING AN	GLE AR	E IN C	DEGREES	0	

TABLE 245

FILTER 1 AT	D140 AST		INSOL ANGLE	91-5 DE	G
SPECTRAL BAND	2.50 TO	2.80 MICRONS	ELEVATIO	N 30.5	KM

SA	/A	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	75.	0.	0.	0.	90.	0.	0.
0	A	0.	0.	0.	105.	0.	0.	0.	90.	0.	0.
	L	0.	0.	0.	135.	0.	0.	0.	90.	0.	0.
	R	0.	0.	0.	255.	0.	0.	0.	160.	0.	0.
10	A	0.	0.	0.	233.	0.	0.	0.	170.	0.	0.
	L	0.	0.	0.	210.	0.	0.	0.	180.	0.	0.
	R	0.	0.	0.	209.	0.	0.	0.	178.	0.	0.
20	A	0.	0.	0.	202.	0.	0.	0.	194.	0.	0.
	L	0.	0.	0.	195.	0.	0.	0.	210.	0.	0.
	R	0.	0.	0.	195.	0.	0.	0.	0.	0.	0.
30	A	0.	0.	0.	195.	0.	0.	0.	120.	0.	0.
	L	0.	0.	0.	195.	0.	0.	0.0	240.	0.	0.
	R	0.	0.	0.	195.	0.	0.	0.	0.	0.	0.
40	A	0.	0.	0.	195.	0.	0.	0.	83.	0.	0.
	L	0.	0.	0.	195.	0.	0.	0.	165.	0.	0.
	R	0.	0.	0.	30.	0.	149.	0.	135.	0.	0.
50	A	0.	0.	0.	105.	0.	75.	0.	135.	0.	0.
	L	0.	0.	0.	180.	0.	0.	0.	135.	0.	0.
	R	0.	0.	0.	0.	0.	255.	0.	150.	0.	0.
60	A	0.	0.	0-	90.	0.	128.	0.	194.	0.	0.
	L	0.	0.	0.	179.	0.	0.	0.	238.	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

	••		.						00.0		
Π			AT 01 BAND 2			O MICR		SOL AN ELEV			
	VA	0	10	20	30	40	50	60	70	80	90
	SA R	0.	0.	0.	0.	0.	300.	0.	135.	0.	0.
	70 A	0.	0.	0.	90.	0.	150.	0.	186.	0.	0.
	L	0.	0.	0.	180-	0.	0.	0.	236.	0.	0.
E	` R	0.	0.	0.	0.	0.	210.	0.	180.	0.	0.
	80 A	0.	0.	0.	75.	0.	105.	0.	180.	0.	0.
U	L	0.	0.	0.	150.	0.	0.	0.	180.	0.	0.
	R	0.	0.	0.	0.	0.	270.	0.	165.	0.	0.
	90 A	0.	0.	0.	97.	0.	135.	0.	188.	0.	0.
	L	0.	0.	0.	194-	0.	0.	0.	210.	0.	0.
П	R	0.	0.	0.	0.	0.	240.	0.	210.	15.	0.
	100 A	0.	0.	0.0	37.	0.	120.	0.	203.	8.	0.
	Ł	0.	0.	0.	74.	0.	0.	0.	195.	0.	0.
11	R	0.	0.	0.	0.	0.	209.	0.	90.	0.	0.
	110 A	0.	0.	0.	0.	0.	105.	0.	45.	0.	0.
•	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
L	R	0.	0.	0.	0.	0.	266.	0.	224.	0.	0.
I	120 A	0.	0.	0.	0.	0.	133.	0.	112.	0.	0-
4	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1	RADIANC	E VAL	UES ARE	INM	ICROWA	TTS PE	R SQ.	CM. PE	R STER	ADIAN	•

TABLE 121 CONT.

FILTER 1 AT 0140 AST INSOL ANGLE 91.5 DEG

SPECTRAL BAND 2.50 TO 2.80 MICRONS ELEVATION 30.5 KM

VA SA	0	10	20	30	40	50	60	70	80	90
R	0.	0.	0.	0.	0.	210.	0.	165.	0.	0-
130 A	0.	0.	0.	0.	0.	105.	0.	83.	0.	0.
ι	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
R	0.	0.	0.	0.	0.	209.	0.	195.	0.	0.
140 A	0.	0-	0.	0-	0.	105.	0.	98.	0.	0.
L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
R	0.	0.	0.	0.	0.	195.	0.	150.	0.	0.
150 A	0.	0.	0.	0.	0.	98.	0.	75.	0.	0.
L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
R	0.	0.	0.	0.	0.	192.	0.	174.	0.	0.
160 A	0.	0.	0.	0.	0.	96.	0.	124.	ó-	0-
L	0.	0.	0.	0.	0.	0.	0.	74.	0.	0.
R	0.	0.	0.	0.	0.	55.	0.	195.	0.	0.
170 A	0.	0-	0.	0.	0.	28.	0.	179.	0.	0-
Ł	0.	0.	0.	0.	0.	0.	0.	162.	0.	0.
R	0.	0.	0.	0.	0.	0.	0.	105.	0.	0.
180 A	0.	0.	0.	0.	0.	0.	0.	90.	0.	0.
L	0.	0.	0.	0.	0.	0.	0.	74-	0.	0.

TABLE 121 CONT.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

,	C 11	TER	3 AT	0140 A	: T			INSUL	ANGLE 9)1.5 N	FG
			BAND	2.50		IM C	CRONS		EVATION		KM
SA	VA	0	10	20	30	40	50	60	70	80	•
	R	0.	0.	0.	0.33	0.	0.	0.	6.67	0.	,
0	A	0.	0.	0.	0.33	0.	0.	0.	5.27	0.	
	L	0.	0.	0.	0.33	0.	0.	0.	3.87	0.	
	R	0.	0.	0.	0.34	0.	0.	0.	15.99	0.	
10	A	0.	0.	0.	0.29	0.	0.	0.	8.73	0.	
	L	0.	0.	0.	0.24	0.	0.	0.	2.28	0.	
	R	0.	0.	0.	0.53	0.	0.	0.	27.92	0.	
20	A	0.	0.	0.	0.39	0.	0.	0.	13-74	0.	
	L	0.	0.	0.	0.25	0.	0.	0.	1.72	0.	
	R	0.	0.	0.	0.72	0.	0.	0.	0.	0.	
30	A	0.	0.	0.	0.45	0.	0.	0.	1.38	0.	
	Ł	0.	0.	0.	0.18	0.	0.	0.	1.38	0.	
	R	0.	0.	0.	0.42	0.	0.	0.	0.	0.	
40	A	0.	0.	0.	0.31	0.	0.	0.	0.93	0.	
	L	0.	0.	0.	0.19	0.	0.	0.	0.93	0.	
	R	0.	0.	0.	0.34	0.	0.8	3 0.	7.96	0.	
50	A	0.	0.	0.	0.20	0.	0.8	3 0.	4.07	0.	
	L	0.	0.	0.	0.18	0.	0.	0.	0.18	0.	
	R	0.	0.	0.	0•	0.	0.6	9 0.	2.81	0.	
60) A	0.	0.	0.	0-18	0.	0.6	9 0.	1.19	0.	
	L	0.	0.	0.	0.18	0.	0.	0.	0.18	0.	

	FIL	TER	1 AT	0140 AS	T		IN	SOL	ANGLE 9	1.5 D	EG
	SPE	CTRAL	BAND	2.50 T	0 2.8	O MIC	RONS	EL	EVATION	30.5	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
JA	R	0.	0.	0.	0.	0.	0.58	0.	1.83	0.	0.
70	A	0.	0.	0.	0.17	0.	0.58	0.	0.79	0.	0.
,,	Ĺ	0.	0.	0.	0.17	0.	0.	0.	0.20	0.	0.
											_
	R	0.	0.	0.	0.	0.	0.59	0.	1.54	0.	0.
80	A	0.	0.	0.	0.14	0.	0.59	0.	0.87	0.	0.
	L	0.	0.	0.	0.14	0.	0.	0.	0.19	0.	0.
	R	0.	0.	0.	0.	0.	0.47	0.	1.33	0.	0.
90	A	0.	0.	0.	0.16	0.	0-47	0.	0.69	0.	0.
	L	0.	0.	0.	0.16	0.	0.	0.	0.19	0.	0.
	R	0.	0.	0.	0.	0.	0.17	0.	1.39	0.17	0.
100	A	0.	0.	0.	0.20	0.	0.17	0.	0.82	0.17	0.
	ſ	0.	0.	0.	0.20	0.	0.	0.	0.21	0.	0.
	R	0.	0.	0.	0.	0.	0.19	0.	0.20	0.	0.
110	A	0.	0.	0.	0.	0.	0.19	0.	0.20	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.16	0.	0.18	0.	0.
120	A	0.	0.	0.	0.	0-	0.16	0.	0.18	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TABLE 122 CONT.

ĺ

ı	FIL	TER :	1 AT	0140	AST		11	NSOL	ANGLE 9	91.5	EG
:	SPE	CTRAL	BAND	2.50	TO 2	.80 MI	CRONS	EL	EVATION	30.5	KII
SA	V A	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.	0.	0.21	0.	0.20	0.	0.
130	A	0.	0.	0.	0.	0.	0.21	0.	0.20	0.	0.
•	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.21	0.	0.18	0.	0.
140	A	0.	0.	0.	0.	0.	0.21	0.	0.18	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.16	0.	0.19	0.	0.
150	A	0.	0.	0.	0.	0.	0.16	0.	0.19	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.29	0.	0.22	0.	0.
160	A	0.	0.	0.	0.	0.	0.29	0.	0.22	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.21	0.	0.
	R	0.	0.	0.	0.	0.	0.38	0.	0.20	0.	0.
170	A	0.	0.	0.	0.	0.	0.38	0.	0.21	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.24	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.	0.19	0.	0.
180	A	0.	0.	0.	0.	0.	0.	0.	0.19	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.18	0.	0.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.
VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

TABLE 122 CONT.

· Sandanian

	FIL	TER	1 AT	9140 A	ST		I	NSOL	ANGLE	91.5 D	EG
	SPE	CTRAL	BAND	2.50	TO 2.8	0 MI	CRONS	EL	EVATION.	30-5	KM
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0.	0.	0.	0.17	0.	0.	0.	1.35	5 0.	0.
0	A	0.	0.	0.	0.25	0.	0.	0.	1.56	0.	0.
	L	0.	0.	0.	0.18	0.	0•	0.	0.78	3 0.	0.
	R	0.	0.	0.	0.18	0.	0.	0.	4.93	3 0,	0.
10	A	0.	0.	0.	0.25	0.	0.	0.	4.95	5 0.	0.
	L	0.	0.	0.	0.17	0.	0.	0.	0.38	3 0.	0-
	R	0.	0.	0.	0.25	0.	0.	0.	0.48	3 0.	0.
20	A	0-	0.	0.	0.29	0.	0.	0.	0.55	0.	0.
	L	0.	0.	0.	0.16	0.	0.	0.	0.28	3 0.	0.
	R	0.	0.	0.	0.22	0.	0.	0.	0.	0.	0.
30	A	0.	0.	0.	0.26	0.	0.	0.	0.23	3 0.	0.
	L	0.	0.	0.	0.14	0.	0.	0.	0.23	3 0-	0.
	R	0.	0.	0.	0.21	0.	0.	0.	0.	0.	0.
40	A	0.	0.	0.	0.25	0.	0.	0.	0.3	U 0-	0.
	L	0.	0.	0.	0.14	0.	0.	0.	0.3	0.	0.
	R	0.	0.	0.	0.17	0.	0.20	0.	2.66	0.	0.
50	A	0.	0.	0.	0.21	0.	0.20	0.	2.66	0 •	0-
	L	0.	0.	0.	0.13	0.	0.	0.	0.17	7 0.	0.
	R	0.	0.	0.	0.	0.	0.22	0.	0.77	7 0.	0.
60	A	0.	0.	0.	0.14	0.	0.22	0.	0.78	3 0.	0.
	L	0.	0.	0.	0.14	0.	0.	0.	0.13	3 0.	0.
RAD	IAN	CE VA	LUES A	ARE IN	MICROWA	TTS	PER SQ.	CM.	PER ST	ERADIAN	i.

DIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.
VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

	FIL	TER :	1 AT	0140 A	ST		IN	SOL A	NGLE 9	1.5 D	EG
	SPE	CTRAL	BAND	2.50	TO 2.8	O MIC	RONS	ELE	VATION	30.5	KM
		*									
SA	VA	0	10	20	30	40	50	60	70	80	90
.	R	0.	0.	0.	0.	0.	0.22	0.	0.23	0.	0.
7.0) A		0.	0.	0.13		0.22			0.	
•									0.27		0.
	L	0.	0.	0.	0.13	0.	0.	0.	0.15	0.	0.
	R	0.	0.	0.	0.	0.	0.20	0.	0.25	0.	0-
80	A	0-	0.	0.	0.11	0-	0.20	0.	0.29	0.	0.
	L	0.	0.	0.	0.11	0.	0.	0.	0.14	0.	0.
	R	0.	0.	0.	0.	0.	0.24	0.	0.35	0.	0.
90	A	0.	0.	0.	0.12	0.	0.24	0.	0.37	0.	0.
	L	0.	0.	0.	0.12	0.	0.	0.	0.14	0.	0.
	R	0.	0.	0.	0.	0.	0.12	0.	1.26	0.10	0.
100	A	0.	0.	0.	0.17	0.	0.12	0.	1.27	0.10	0.
	L	0.	0.	0.	0.17	0.	0.	0.	0.14	0.	0.
	R	0.	0.	0.	0.	0.	0.14	0.	0.14	0.	0.
110	A	0.	0.	0.	0.	0.	0.14	0.	0.14	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.14	0.	0.13	0.	0.
120	A	0.	0.	0.	0.	0.	0.14	0.	0.13	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

VIEWING ANGLE AND SUN AZIMUTH ARE IN DEGREES.

TABLE 123 CONT.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

	FIL	TER 1	AT	0140 A	ST		IN	SOL	ANGLE 9	1.5 0	EG
	SPE	CTRAL	BAND	2.50		2.80 MICR					
SA	VA	0	10	20	30	40	50	60	70	80	90
	R	0	0.	0.	^	0	0.15	^	0.16	•	•
						0.					
130	A					0.					
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0-
	R	0.	0.	0.	0.	0.	0.14	0.	0.13	0.	0.
140	A	0.	0.	0.	0.	0.	0.14	0.	0.13	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0-	0.	0-
	R	0.	0.	0.	0.	0.	0.13	0.	0.13	0.	0.
150	A	0.	0.	0.	0.	0.	0.13	0.	0.13	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	R	0.	0.	0.	0.	0.	0.19	0.	0.16	0.	0.
160	A	0.	0.	0.	0.	0.	0.19	0.	0.22	0.	0-
	L	0.	0.	0.	0.	0.	0.	0.	0.15	0.	0.
	R	0.	0.	0.	0.	0.	0.17	0.	0.14	0.	0.
170	A	0.	0.	0.	0.	0.	0.17	0.	0-21	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0-16	0.	0.
	R	0.	0.	0.	0.	0.	0.	0.	0.14	0.	0.
180	A	0.	0.	0.	0.	0.	0.	0.	0.20	0.	0.
	L	0.	0.	0.	0.	0.	0.	0.	0.14	0.	0.

TABLE 123 CONT.

FILTER 1 AT 0140 AST INSOL ANGLE 91.5 DEG

							• • •	JOE AN	,		
U	SPEC	TRAL	BAND 2	2.50	rc 2.8	O MICR	ONS	ELEV	ATION	30.5	KH
I.	VA SA	. 0	10	20	30	40	50	60	70	80	90
E	0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
E	10	0.	0.	0.	0.	0.	0.	0.	225.	0.	0.
•	20	0.	0.	0.	0.	0.	0.	0.	503.	0.	0.
	30	0.	0.	0.	0.	0.	0.	0.	315.	0.	0.
n	40	0.	0.	0.	0.	0.	0.	0.	255.	0.	0.
	50	0.	0.	0.	0.	0.	0.	0.	240。	0.	0.
	60	0.	0.	0.	1349.	0.	194.	0.	433.	0.	0.
	70	0.	0.	0.	824.	0.	375.	0.	371.	0.	0.
	80	0.	0.	0.	375.	0.	345.	0.	375.	0.	0-
1 i	90	0.	0.	0.	298.	0.	330.	0.	375.	0.	0.
	100	0.	0.	0.	0.	0.	300.	0.	390.	15.	0.
	110	0.	0.	0.	0.	0.	370.	0 •	135.	0.	0.
l!	120	0.	0.	0.	0.	0.	330.	0.	209.	0.	0.
	130	0.	0.	0.	0.	0.	417.	0.	195.	0.	0.
	140	0.	0.	0.	0.	0.	99.	0.	180.	0.	0-
	150	0.	0.	0.	0.	0.	0.	0.	251.	0.	0.
Î	160	0.	0.	0.	0.	0.	0.	0.	638.	0.	0-
E	170	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	180	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
_	RADIANC	E VAL	.UES ARE	IN I	MICROWA	TTS PE	R SQ.	CM. PE	R STER	ADIAN	•

TABLE 124

	FILTER	1 AT	0140 #	ST		IN	SOL	ANGLE 9	71.5 D	EG
	SPECTR	AL BAND	2.50	TO 2.8	O MI	CRONS	EL	EVATION	30.5	KM
SA	VA O	10	20	30	40	50	60	70	80	90
0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.	0.	5.72	0.	0.
20	0-	0.	0.	0.	0.	0.	0.	11.33	0.	0.
30	0.	0.	0.	0.	0.	0.	0.	7.80	0.	0.
40	0.	0.	0.	0.	0.	0.	0.	1.06	0.	0.
50	0.	0.	0.	0.	0.	0.	0.	4.35	0.	0.
60	0.	0.	0.	0.37	0.	0.81	0.	1-25	0.	0.
70	0-	0.	0.	0.28	0.	0.65	0.	0.79	0.	0.
80	0.	0.	0.	0.16	0.	0.57	0.	0.89	0.	0.
90	0.	0-	0.	0.17	0.	0.42	0.	0.67	0.	0.
100	0.	0.	0.	0.	0.	0.17	0.	0.81	0.17	0.
110	0.	0.	0.	0.	0.	0.17	0.	0.19	0.	0.
120	0.	0.	0.	0.	0.	0.22	0.	0.19	0.	0.
130	0.	0.	0.	0.	0.	0.20	0.	0.19	0.	0.
140	0.	0.	0.	0.	0.	0.39	0.	0.18	0.	0.
150	0.	0.	0.	0.	0.	0.	0.	0.21	0.	0.
160	0.	0.	0.	0.	0.	0.	0.	0.20	0.	0.
170	0.	0.	0.	0.	U.	0.	0.	0.	0.	0.
180	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
RAD	IANCE	VALUES	ARE IN	MICROWA	ATTS	PER SQ.	CM.	PER STEE	RADIAN	

TABLE 125

VIEWING ANGLE AND SCATTERING ANGLE ARE IN DEGREES.

	FILTE	R 1	AT 14	O AST			INS	OL ANO	ELE 91	5 DEG	3
	SPECT	RAL BA	ND 2	.50 to	2.80	MICRON	ıs	ELEV	ATION 3	0.5 F	KM
SP	VA A	0	10	20	30	40	50	60	70	80	90
C)	0.	0.	0.	Ο.	0.	0.	0.	0.	0.	٥.
10		0.	0.	0.	0.	0.	0.	0 .	2.60	Ο.	0.
20)	0.	0.	0.	0.	0.	0.	0. 1	LO.77	0.	0.
30)	0.	ο.	0.	Ο.	0.	0.	0. 1	L1.29	o2.	٥.
40		0.	0.	0.	0.	0.	0.	0.	0.32	0.	٥.
50		0.	0.	0.	0.	0.	0.	0.	4.40	0.	ο.
60) (0.	ο.	0.	0.25	0.	0.21	0.	1.49	0.	0.
70) (0.	0.	0.	0.21	0.	0.22	0,	0.81	0,	0.
80)	0.	0.	0.	0.12	0.	0.20	0.	0.71	0.	0,
90) (0.	0.	0.	0.13	0.	0.25	0.	0,60	0.	0.
100) (0.	0.	0.	0.	0.	0,12	0.	1,10	0.10	0.
110) (0.	0.	0.	0.	0.	0,14	0,	0.14	0.	٥.
120	• (0.	0.	0.	0.	0.	0,15	0.	0.13	0,	0.
130) (0.	0.	0.	0.	0.	0,16	0.	0.14	0.	C.
140) (0.	0.	0.	0.	0.	0.16	0.	0.13	0.	0,
150) (0.	0.	0.	0.	0.	0.	0.	0.15	0.	Ο,
160) (0.	0.	0.	0.	0.	0.	0.	0.15	0.	٥.
170) (0.	0.	0.	0.	0.	0.	0.	0 。	0.	٥.
180) (0.	0.	0.	0.	0.	Ο.	0.	0.	0.	ο.

RADIANCE VALUES ARE IN MICROWATTS PER SQ. CM. PER STERADIAN.

VIEWING ANGLE AND SCATTERING ANGLE ARE IN DEGREES.

TABLE 126

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